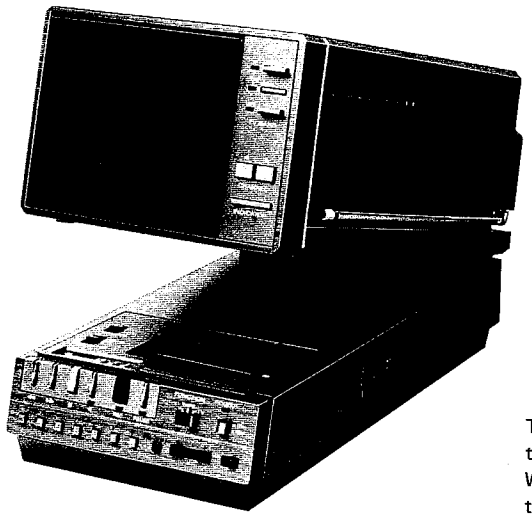
405

KV-4100
AC-125W

SERVICE MANUAL

US Model

Chassis No. SCC-285D-A



The adjustment procedures are not contained in this manual.
When performing the adjustments, refer to the separate-volume "ADJUSTMENT MANUAL".

August, 1981

SPECIFICATIONS

TV SECTION

Television System: American TV standards

Channel Coverage: VHF channels 2 – 13
UHF channels 14 – 83

Picture Tube: Trinitron tube
3.7-inch picture measured diagonally
50-degree deflection

RADIO SECTION

Frequency Range: FM 87.4 – 108.2 MHz, spaced 0.1 MHz apart
AM 530 – 1,630 kHz, spaced 10 kHz apart
(531 – 1,602 kHz, spaced 9 kHz apart)

TAPE RECORDER SECTION

Tape: Microcassette

Recording System: 2-track 1-channel monaural

Fast Winding Time: Approx. 2 min. 30 sec. with Sony Microcassette MC-60 (at both 1.2 cm and 2.4 cm positions)

Frequency Response: 100 – 7,000 Hz (at 2.4 cm position)
100 – 4,000 Hz (at 1.2 cm position)

Tape Speed: 2.4 cm/sec (15/16 ips), 1.2 cm/sec (15/32 ips)

GENERAL

Antennas: VHF/UHF/FM: Telescopic antenna, 75 Ω external antenna jack (minijack)
AM: Built-in ferrite bar antenna

Speaker: 7.7 cm (3 inches) dia.

Audio Power Output: 500 mW (at 10 % harmonic distortion) in dc operation.

Inputs/outputs:

Connector	Signal level	Remarks
VIDEO IN (phono jack) VIDEO OUT (phono jack)	1V(p-p)	NTSC 75 Ω unbalanced sync negative
AUDIO IN (minijack)	–5dB ± 3dB	50kΩ
TEL IN (minijack)	–85dB	10kΩ
MIC (minijack)	–60dB	10kΩ
TV SOUND OUT (minijack)	–5dB ± 3dB	load impedance 10kΩ or higher
Earphone (minijack)	for 8Ω earphone or load impedance 10kΩ or higher	

Other Jack: REMOTE jack (stereo mini)

Power Requirements: 120 V ac, 60 Hz with supplied AC-125W AC Power Adaptor
12 V dc, with optional Sony BCP-4 Battery Pack
12 V car battery with optional Sony DCC-16AW Car Battery Cord

– Continued on page 2 –

MICROFILM

TRINITRON® COLOR TV

SONY®

CTV

For Power Backup Function: 3 V dc, two batteries size AA (IEC designation R6)

Power Consumption: 28 W ac (max.) with AC125W AC Power Adaptor
17 W dc (in 12 V operation)

Dimensions: Approx. 150 (w) x 164 (h) x 296 (d) mm
(6 (w) x 6½ (h) x 11¾ (d) inches)
including projecting parts and controls

Weight: Approx. 4.6 kg (10 lb 2 oz)
excluding AC-125W, accessories and batteries

Accessories Supplied:
AC Power Adaptor AC-125W
Battery size AA (2 pcs.)
Earphone ME-21
Microcassette MC-30
Remote Control Unit RM-33
Telephone Pickup TP-5T
Shorting Plug SP-100
Head cleaning tips (1 set)
External antenna connector

Optional Accessories:
Battery Pack BCP-4
Car Battery Cord DCC-16AW
Connecting Cord RK-64A (miniplug to miniplug with attenuator)
RK-69 (miniplug to miniplug)
Cassette Eraser BE-9H
Car Antenna VCA-3W, VCA-4
Carrying Box

Continued trouble-free operation of any tape recorder is dependent on the quality of the cassettes used in conjunction with it. The use of Sony Microcassettes is recommended for high quality recording and trouble-free operation.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the condition of the monopole antenna (if any).
   Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
9. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60–100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

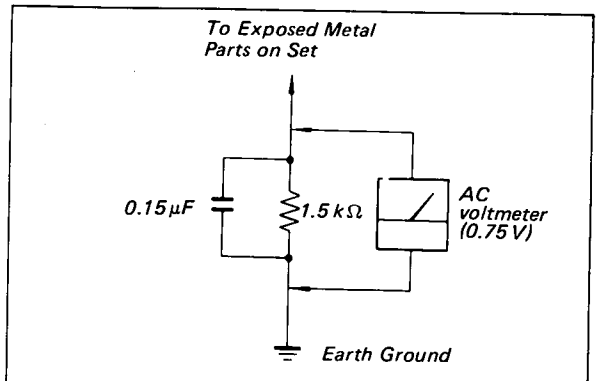


Fig. A. Using an AC voltmeter to check AC leakage.

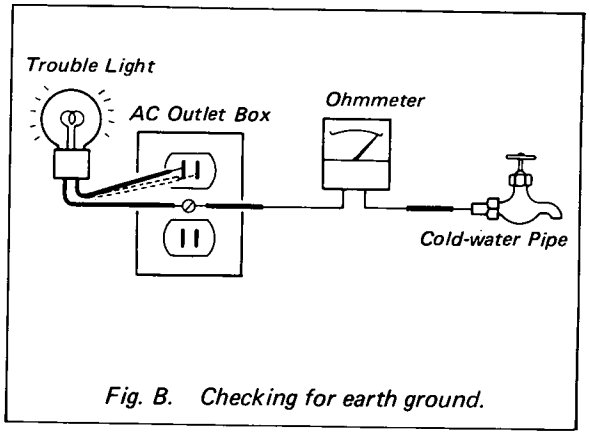
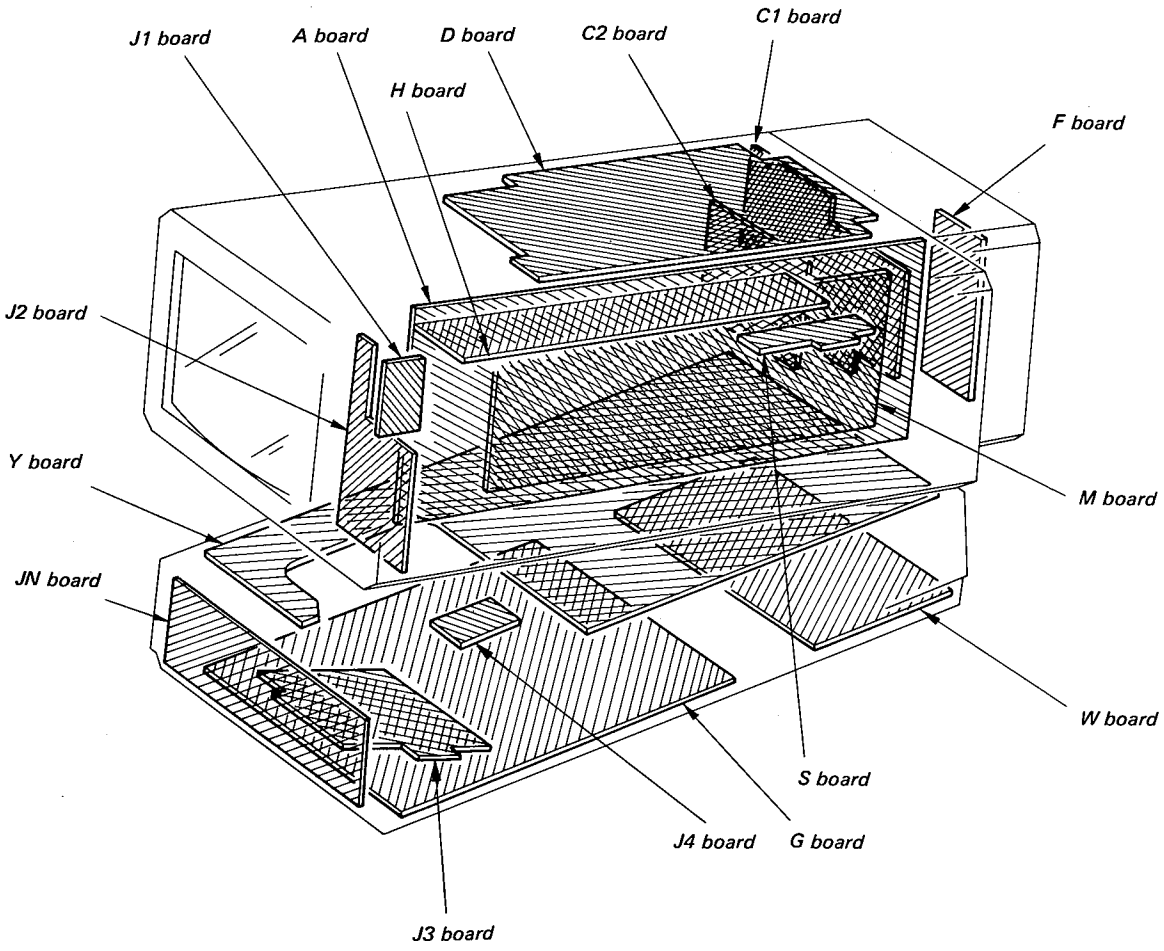


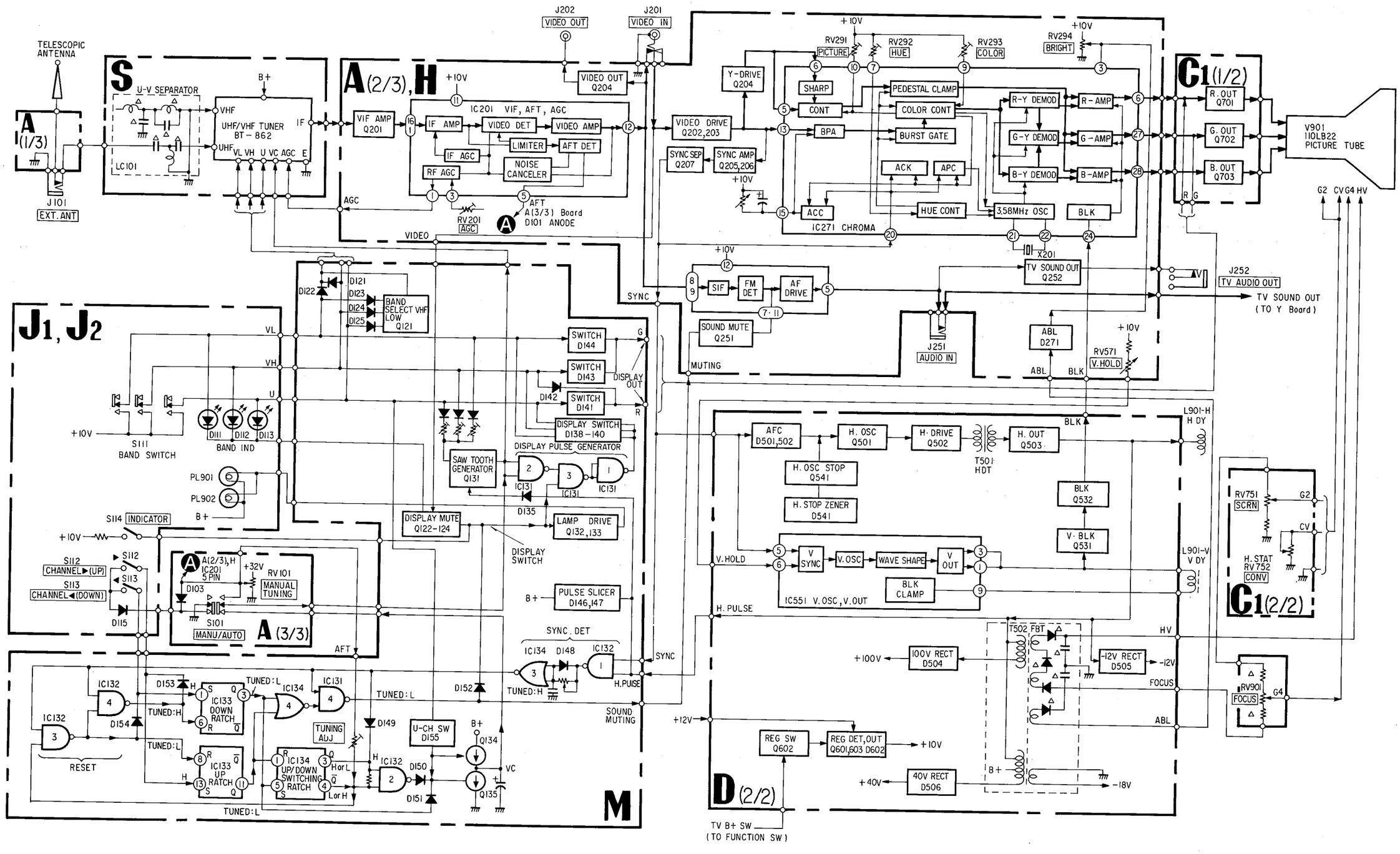
Fig. B. Checking for earth ground.

CIRCUIT BOARDS LOCATION

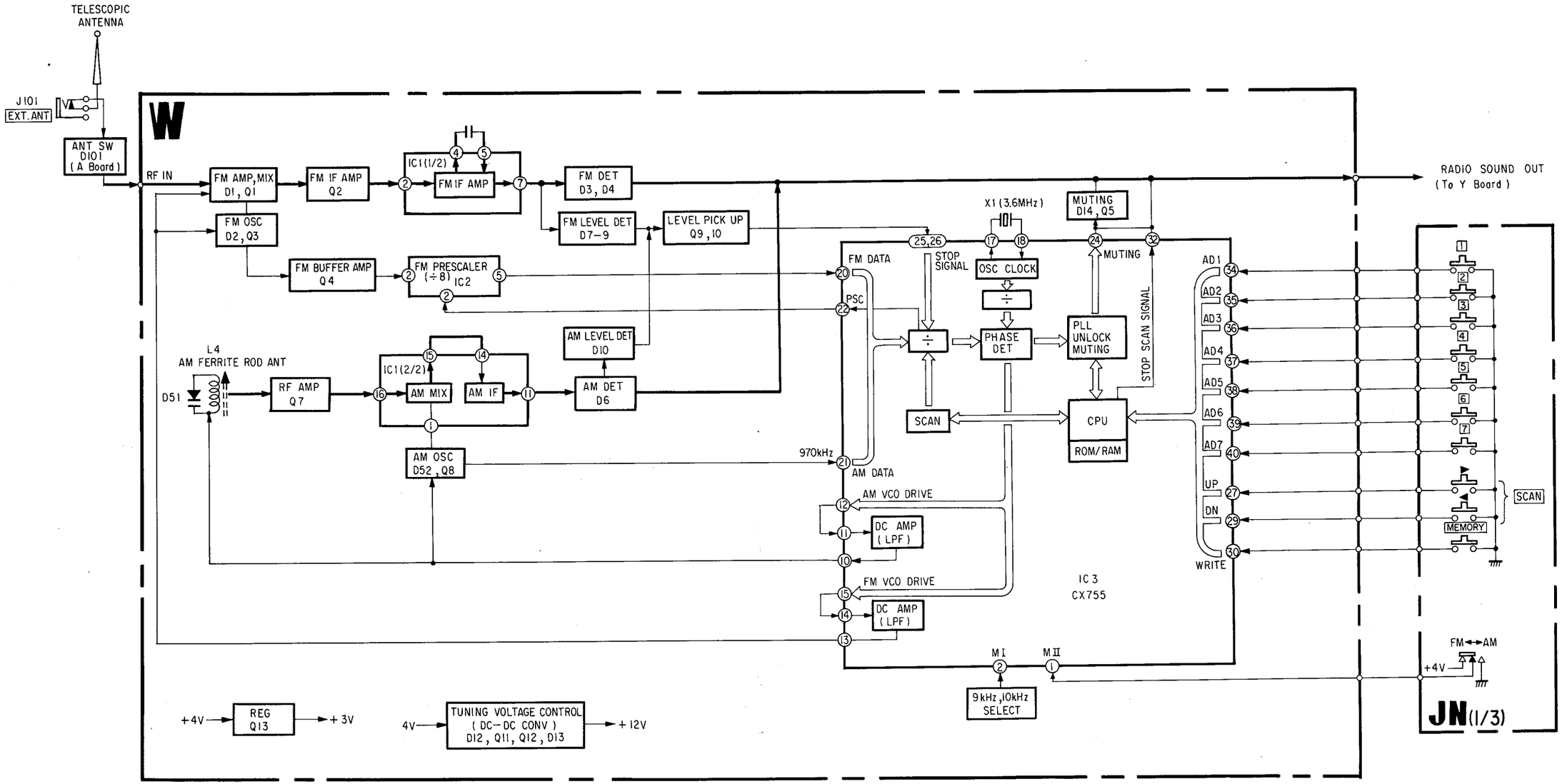


SECTION 1
OUTLINE

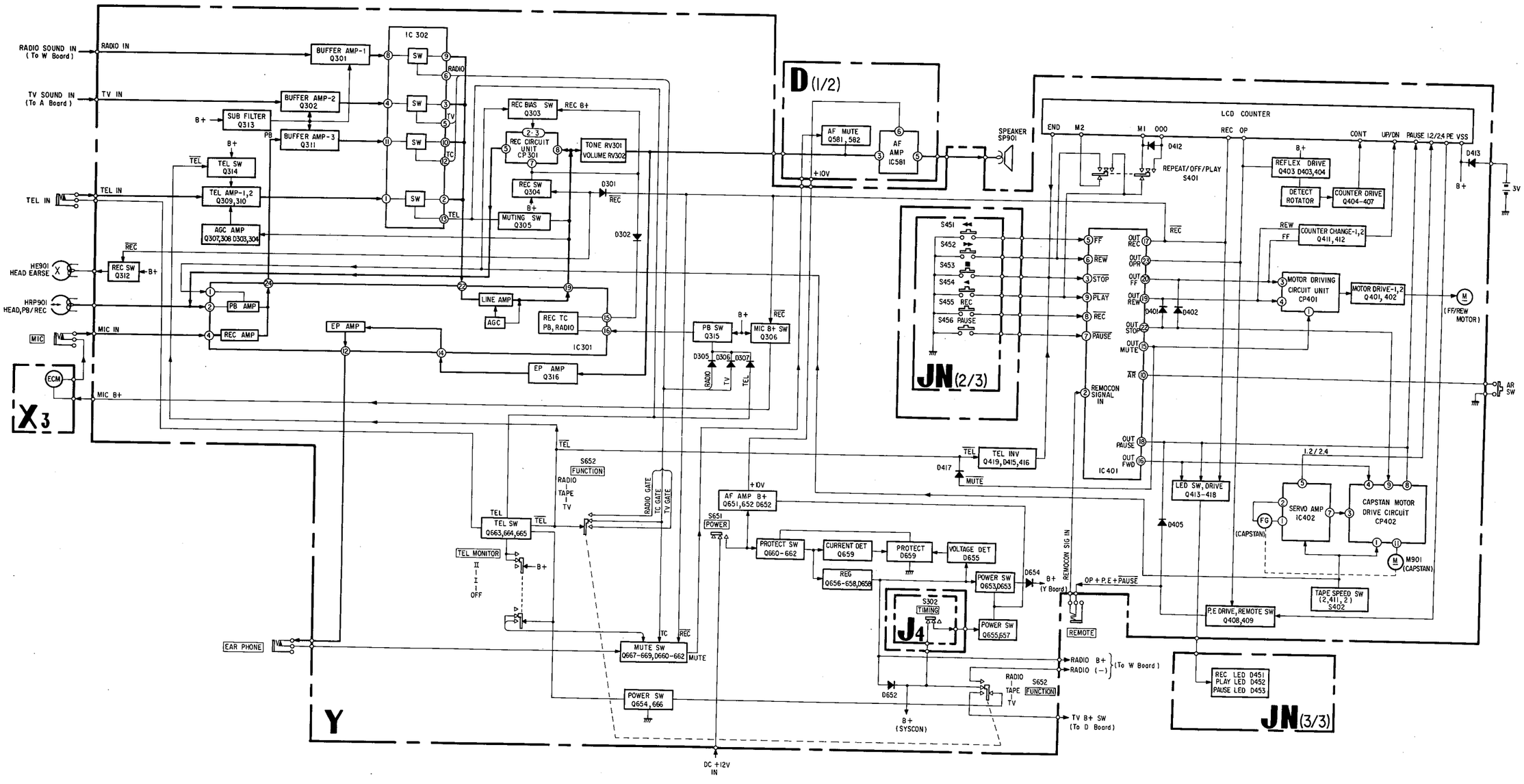
1-1. BLOCK DIAGRAM – TV SECTION –



1-2. BLOCK DIAGRAM
– MICROCASSETTECORDER SECTION –



1-3. BLOCK DIAGRAM
– RADIO SECTION –



1-4. TV OPERATION

There are two ways of selecting channels with this TV — automatic tuning or manual tuning.
Use manual tuning when tuning to an extremely weak channel or when there is severe interference.

Automatic tuning and manual tuning

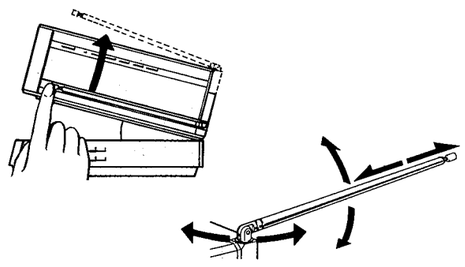
2 **Set the FUNCTION selector to TV.**

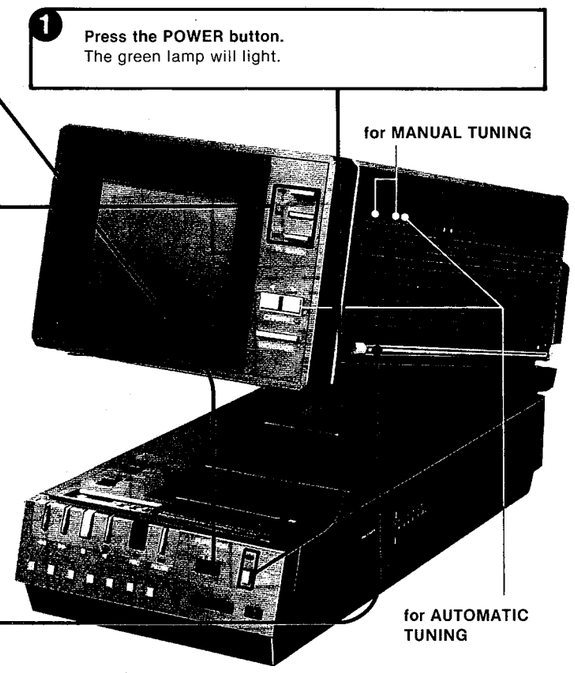
1 **Press the POWER button.**
The green lamp will light.

3 **Press the desired TV BAND button.**
The corresponding lamp will light.

VHF LOW — for VHF channels 2–6
VHF HIGH — for VHF channels 7–13
UHF — for UHF channels 14–83

4 **Raise the telescopic antenna and adjust its length, direction and angle for optimum reception.**

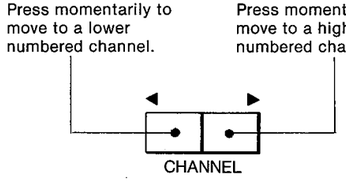




5 **Tune in the desired channel by following either of the two tuning methods.**

AUTOMATIC TUNING

Set the MAN/AUTO switch to AUTO and press the CHANNEL ▶ or ◀ button.

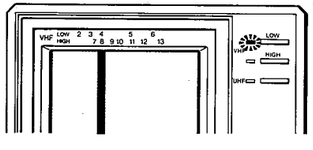


The TV searches for a channel automatically.
While searching, the channel indicator will be illuminated and a colored channel marker will appear and move on the screen, but the sound will be muted.

When the TV BAND has been set to	the following colored channel marker appears	to indicate
VHF-LOW	red	VHF channels 2–6
VHF-HIGH	yellow	VHF channels 7–13
UHF	green	UHF channels 14–83

The channel marker moves towards the right when the CHANNEL ▶ button is pressed, or towards the left when the ◀ button is pressed.

For example this indicates that VHF channel 4 is being received.



A few seconds after the channel is tuned correctly, the illumination on the channel indicator will go off and the channel marker will disappear.
To skip over the channel just tuned in, press the CHANNEL ▶ or ◀ button again.

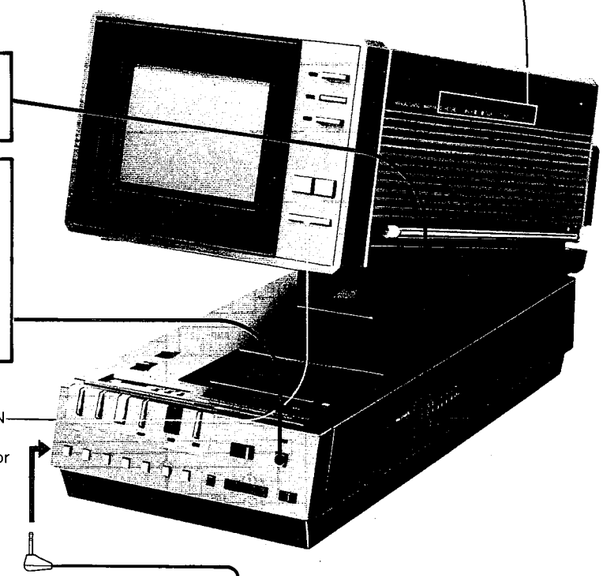
6 **Adjust the VOLUME and TONE controls to your preference.**

7 **To turn off the TV, press the POWER button.**
The tuning will start from the lowest-numbered channel of the selected band the next time the TV is turned on with the MAN/AUTO switch set to AUTO.
The tuning will remain the same the next time the TV is turned on with the MAN/AUTO switch set to MAN.

To identify the number of the channel tuned in, press the INDICATOR button.
While the INDICATOR button is depressed, the channel indicator will be illuminated and a colored channel marker will appear.

- When an external antenna is to be used, refer to page 26.
- To use your set with a cable television system, contact a representative of the cable campany for instructions regarding channel selection.

To adjust the picture,
see "Picture adjustments".



Earphone ME-21
(supplied)

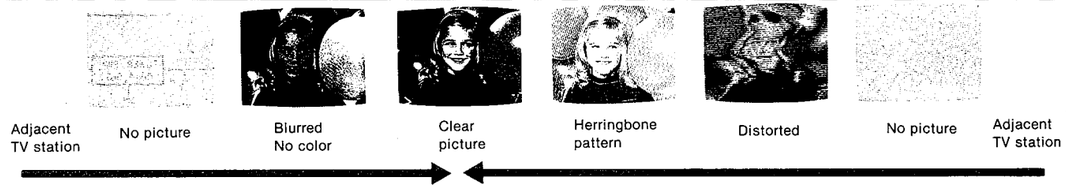
For private listening,
insert the earphone plug into the Ⓟ jack.
This disconnects the loudspeaker.

MANUAL TUNING for extremely weak channels or when there is severe interference

Set the MAN/AUTO switch to MAN and turn the MANUAL TUNING knob until the desired channel appears.

Turn to locate a lower numbered channel. ← MANUAL TUNING → Turn to locate a higher numbered channel.

Adjust the tuning as follows:

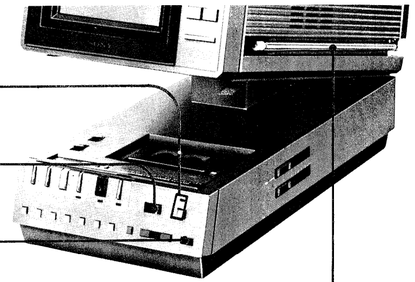


During manual tuning, the channel indicator will be illuminated and a colored channel marker will appear and move on the screen as explained in "AUTOMATIC TUNING".
A few seconds after the channel is tuned correctly, the illumination on the channel indictor will go off and the channel marker will disappear.

1-5. RADIO OPERATION

Electronic sound alarm

There are two ways of selecting stations with this radio using the SCAN buttons — automatic scanning or manual scanning.
Use manual scanning when tuning to a weak-signal station, or to a station whose frequency is known.
After tuning in, you may preset the station onto any radio preset button. Once preset, you can get this station quickly by simply pressing the radio preset button.



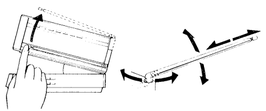
1 **Press the POWER button.**
The green lamp will light.

2 **Set the FUNCTION selector to RADIO.**

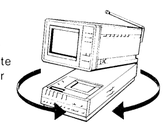
3 **Set the RADIO BAND selector to FM or AM.**

4 **Adjust the antenna.**

FOR FM RECEPTION
Raise the telescopic antenna and its length, direction and angle for optimum reception.



FOR AM RECEPTION
The built-in ferrite bar antenna is used. Rotate the set horizontally for optimum reception if necessary.



5 **Tune in the desired station by following either of the two scanning method.**

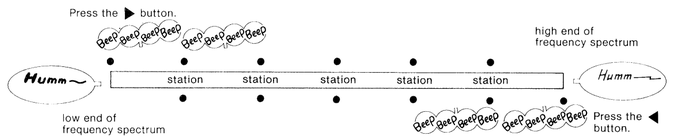
AUTOMATIC SCANNING

To decrease the frequency, press, **hold for a moment** (until beeps are heard), and release.

To increase the frequency, press, **hold for a moment** (until beeps are heard), and release.

Tuning indicator

The radio searches for a station automatically.
When a station is tuned in, the red tuning indicator will light. To skip over the station just tuned in, press the SCAN ▶ or ◀ button again.


Press the ▶ button.
Beep Beep Beep Beep Beep Beep Beep Beep
high end of frequency spectrum
Humm
station station station station station
Humm
low end of frequency spectrum
Beep Beep Beep Beep Beep Beep Beep
Press the ◀ button.

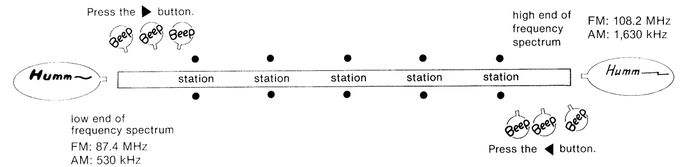
MANUAL SCANNING for weak-signal stations or stations whose frequency is known

To decrease the frequency, press and **release immediately.**

To increase the frequency, press and **release immediately.**

Tuning indicator

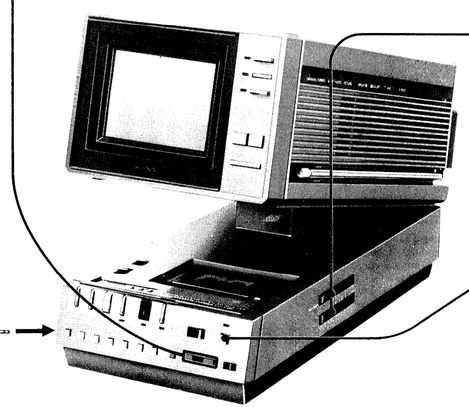
One push on the SCAN ▶ or ◀ button increases or decreases the frequency by the following intervals, and a beep will be heard.
FM: 0.1 MHz
AM: 10 kHz (Adjustable to 9 kHz. See page 9.)
Repeat the above step until a station is tuned in.
When a station is tuned in, the red tuning indicator will light.
To skip over the station just tuned in, press the SCAN ▶ or ◀ button again.



Examples

To find a station of lower frequency
Decrease the frequency by pressing the SCAN ◀ button a number of times until a low steady tone signal is heard. And then;
FM: Press the ▶ button twice, and you get 87.5 MHz.
AM: Press the ▶ button once, and you get 530 kHz.

To find a station of higher frequency
Increase the frequency by pressing the SCAN ▶ button a number of times until a high steady tone signal is heard. And then;
FM: Press the ◀ button three times, and you get 108 MHz.
AM: Press the ◀ button three times, and you get 1,610 kHz.



Earphone ME-21 (supplied)

For private listening, insert the earphone plug into the Ⓟ jack.
This disconnects the loudspeaker.

6 **Adjust the VOLUME and TONE controls to your preference.**

7 **To turn off the radio, press the POWER button.**
The tuning will remain the same the next time the radio is turned on.

● When an external FM antenna is to be used, refer to page 26.

Electronic sound alarm

When tuning in a station using the SCAN button, you can monitor the scanning by learning to interpret the following sound.

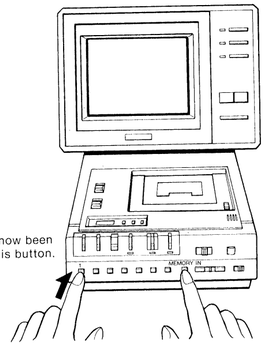
Alarm	Meaning
low steady tone **Hummm~**	Scan has reached at the low end of frequency spectrum.
high steady tone *Hummm—*	Scan has reached at the high end of frequency spectrum.
high rapid beeps Beep Beep Beep Beep Beep	When automatic scanning, the radio searches for a station.
high short beep* Beep	When manual scanning, this sound accompanies a frequency change when the ▶ or ◀ button is pressed.

These sounds are pitched much higher when scanning FM than when scanning AM.
*You can also hear this beep when presetting with the MEMORY IN button and radio preset button, and when tuning in a desired preset station with a radio preset button.

Presetting to the radio preset buttons

You can preset an FM station and an AM station to each radio preset button, for a total of 7 stations on each band.

❶ Tune in the desired station to be preset by automatic scanning or manual scanning.
❷ While depressing the MEMORY IN button, press one of the radio preset buttons firmly until a beep is heard.



The station has now been memorized on this button.

Repeat steps ❶ and ❷ for all the buttons to be preset.

As a reminder, enter the memorized stations below.

Button No.	1	2	3	4	5	6	7
FM station							
AM station							

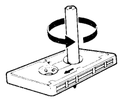
After presetting, you can select the desired station by simply pressing the corresponding radio preset button.
The memory on the radio preset buttons will be held with the Power Backup Function, even when the POWER button is turned off.

Notes on presetting

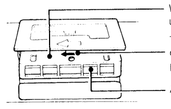
- If you press the MEMORY IN button and the radio preset button simultaneously, the radio sound will not be heard and the presetting cannot be done. In this case, press another radio preset button, tune in your desired station to be preset with the SCAN ▶ or ◀ button, *then preset again to your doisred radio preset button.*
- If you want to add a new preset station and all radio preset buttons have already been preset, the presetting of one button will have to be changed.

1-6. RECORDER OPERATION – PART 1 –

Before inserting a cassette, take up any slack in the tape by inserting a pencil into the hub of the cassette and turning it a few times.

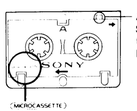


❶ Press the EJECT button to open the cassette holder.
❷ Place a cassette in the holder as illustrated.



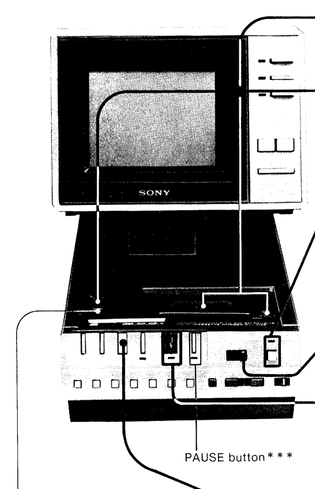
With desired side, A or B, up and tape surface forward.
The tape moves in the direction of the arrow while recording and playing back.
Avoid touching the tape surface.

❸ Close the holder.
- Make sure that the portion of the tape to be played back or recorded is wound onto the right reel as viewed through the holder window. If not, press the POWER button to turn on the set, depress the ▶▶ button to rewind the tape and stop the tape with the ■ button.
- To take out the casette, press the EJECT button.



A small indentation on side A of the Sony Microcassette helps you distinguish that side of the cassette in a dimly lighted area.

Recording from the built-in TV or radio



Set the MEMORY OPR switch to OFF. (See page 20.)

PAUSE button* * *

❶ **Insert a cassette.**

❷ **Select the desired tape speed.***

❸ **Press the POWER button.**
The green lamp will light.

❹ **Set the FUNCTION selector to TV or RADIO.**

❺ **Tune in the desired TV or radio station.**

❻ **Press the REC button.** The red lamp will light * * and recording will begin.
- No recording level adjustment is necessary with the SONY-MATIC recording system.
- The TV or radio sound can be heard through the speaker or earphone at any desired VOLUME and TONE controls setting without affecting the recording level.

❼ **To stop the tape, press the ■ button.**
When the tape reaches the end, the machine shuts off automatically (All-mode Shut-off Mechanism), so it is not necessary to press the ■ button.

To review the recording, press the ▶▶ button and press the ◀ button.

You can switch between the record, playback, fast-forward or rewind mode without pressing the ■ button (logic-controlled operation).

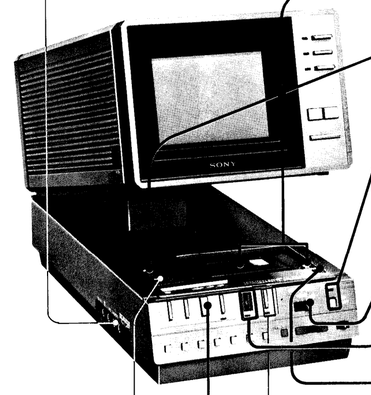
***Tape speed selection**
Choose the tape speed with the TAPE SPEED selector.
2.4cm: A 60 minute recording or playback is possible, using both sides of the MC-60 Microcassette.
1.2cm: A 120 minute recording or playback is possible, using both sides of the MC-60. Use this setting when a longer time is more important than tone quality.
Playback tape speed must be the same as recording tape speed. Make a note on the cassette of the tape speed used when recording.

*** *REC or ◀ lamp functions as a pre-end alarm indicator**
The REC lamp or ◀ lamp lights during recording or playback. These lamps will flicker to show that there are only a few minutes of recording or playback time left.
When the tape is near its end, it will flicker rapidly.
At the end of the tape, the lamp will go off. After a few seconds, it will blink and go off, indicating that the machine has automatically shut itself off.

*** * *Use of the PAUSE button**
Press to momentarily stop the tape during recording or playback. The yellow lamp will light and the display on the tape counter will flicker.
To restart, press it again.
This button can also be used for standby recording.
Press the PAUSE button first and press the REC button. When the desired program starts, press the PAUSE button to release it, and the recording starts immediately.
- To stop the tape for an extended time, use the ■ button.

Recording from the built-in MIC

Make sure that nothing is connected to the MIC jack. Otherwise, no recording can be made with the built-in MIC.



Set the MEMORY OPR switch to OFF. (See page 20.)

PAUSE button

❶ **Insert a cassette**

❷ **Select the desired tape speed.**

❸ **Press the POWER button.**
The green lamp will light.

❹ **Set the FUNTION selector to TAPE.**

❺ **Press the REC button.** The red lamp will light and recording will begin.

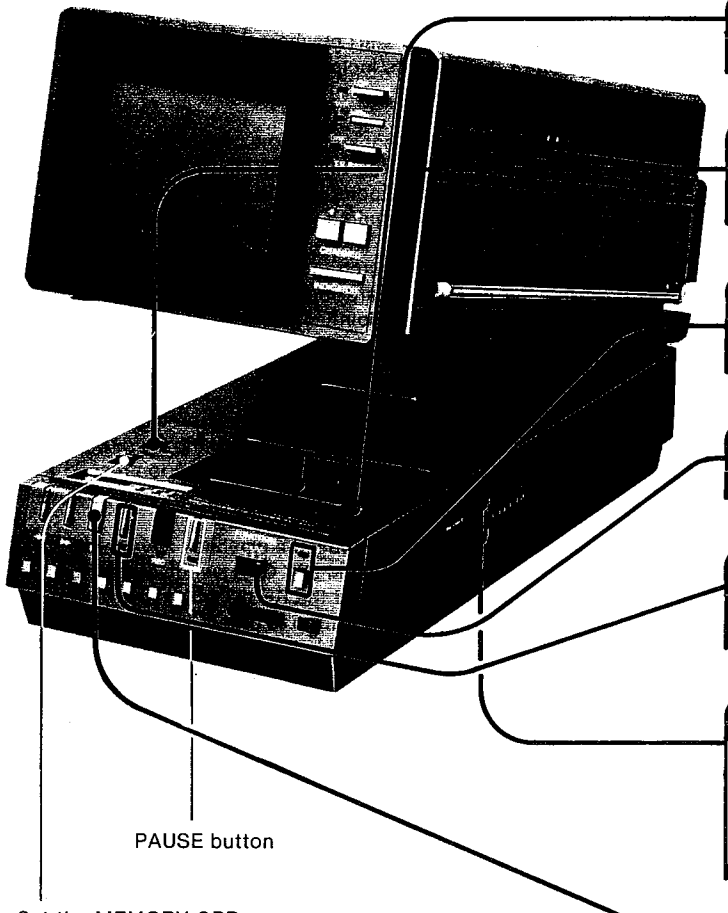
❻ **Speak into the built-in MIC.**
- The built-in MIC will pick up sound from all directions.
- No recording level adjustment is necessary with the SONY-MATIC recording system.
- The sound to be recorded can be heard through the earphone at any desired VOLUME and TONE controls setting without affecting the recording level.

❼ **To stop the tape, press the ■ button.**
When the tape reaches the end, the machine shuts off automatically (All-mode Shut-off Mechanism), so it is not necessary to press the ■ button.

To review the recording, press the ▶▶ button and press the ◀ button.

You can switch between the record, playback, fast-forward or rewind mode without pressing the ■ button (logic-controlled operation).

Playback



1. **Insert a recorded cassette.**

2. **Select the tape speed to correspond with the recorded speed.**

3. **Press the POWER button.**
   The green lamp will light.

4. **Set the FUNCTION selector to TAPE.**

5. **Press the ◀ button.** The green lamp will light and playback will begin.

6. **Adjust the VOLUME and TONE controls to your preference.**
   - For private listening, connect the supplied earphone to the Ⓟ jack. This disconnects the loudspeaker.

7. **To stop the tape, press the ■ button.**
   When the tape reaches the end, the machine shuts off automatically (All-mode Shut-off Mechanism), so it is not necessary to press the ■ button.

Caution
Be careful not to press the REC button when playing back. Doing so will erase the tape contents unless the tabs have been removed (see page 22).

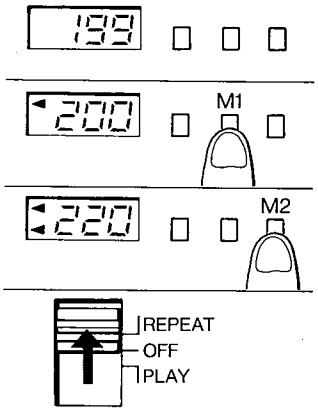
1-7. RECORDER OPERATION
– PART 2 –

How to use the Automatic Repeat Function

Use this function to play back a particular portion repeatedly.

Proceed as follows:

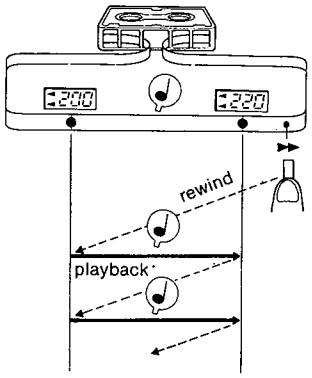
❶ During recording or playback, depress the M1 and M2 buttons to preset on the tape counter the beginning and the end of the portion to be played back repeatedly.
Be sure to press the M1 button for the beginning and the M2 button for the end.
Depress each button until its ◀ mark appears on the MEMORY indicator. When the ◀ mark has already been displayed, simply press the button at the required point, the previous setting will be cancelled.



❷ Set the MEMORY OPR switch to REPEAT.

Note
Do not press the M1 or M2 button to preset at the beginning or the end of the tape. Press the button a little after the beginning or a little before the end. Otherwise occasionally because of tape slack, the tape will be shut off at the top or the end before the Automaic Repeat Function is activated.

❸ From rewind or fast-forward mode, the tape will start to play back automatically from the M1 point to the M2 point, and rewind will start at the M2 point and playback will start at the M1 point again.
Playback of the particular portion will be repeated until you press the ◀◀ button when the rewind starts at the M2 point, or press the ▶▶ button when the playback starts at the M1 point.



To rewind or fast-forward through the entire tape without replay or repeat, set the MEMORY OPR switch to OFF.

To clear the M1 or M2 button setting, press and hold each button until the ◀ mark disappears.

To change the M1 or M2 button setting, simply press each button at the point to be changed and the previous setting will be cancelled.

How to use the Automatic Replay Function

Use this function to register the points on the tape counter you want to locate later and to start playback from those points automatically. Up to three points including "000" can be registered.

Proceed as follows:

❶ During recording or playback, when the tape comes to the point you want to replay later, press the RESET button to set the tape counter to "000". At the next point to be located later, press the M1 (or M2) button. At the last required point, press the M2 (or M1) button.

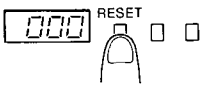
❷ Set the MEMORY OPR switch to PLAY.

❸ From rewind or fast-forward mode, playback will begin automatically at each registered point.

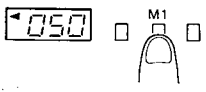
Notes
- To preset more than two points, be sure to press the RESET button first, and then the M1 or M2 button. If the M1 or M2 button is pressed first and then the RESET button is pressed to set the tape counter to "000", the M1 or M2 memory you have input is useless.
- In rewind or fast-forward mode, the playback always begins at the "000" point with the MEMORY OPR switch set to PLAY, even if you have not depressed the RESET button.
- Do not press the M1 or M2 button to preset at the beginning or the end of the tape. Press the button a little after the beginning or a little before the end. Otherwise occasionally because of tape slack, the tape will be shut off at the top or the end before the Automatic Replay Function is activated.

For example, to register three points to be played back later:

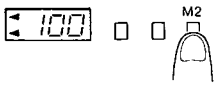
point 1 [000]
First, press the RESET button.



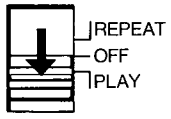
point 2 [050]
As the tape moves forward, when the tape comes to the next point to be played back, press the M1 button.



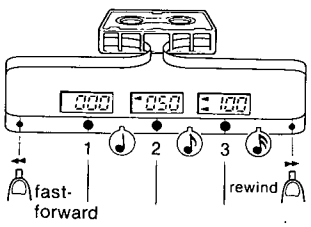
point 3 [100]
At the last required point, press the M2 button.



Set the MEMORY OPR switch to PLAY.



From the rewind mode, playback will begin at point 3. To begin playback at point 2 before 3, press the ▶▶ button again at point 3.
From the fast-forward mode, playback will begin at point 1. To begin playback at point 2 before 1, press the ◀◀ button again at point 1.



1-8. RECORDER OPERATION
– PART 3 –

Using the RM-33 Remote Control Unit

You can remotely control tape transport with the supplied RM-33 Remote Control Unit. You will find this unit particularly useful when you dictate, since it allows you to hold the microphone and, at the same time, control the tape transport from a distance.

Microphone

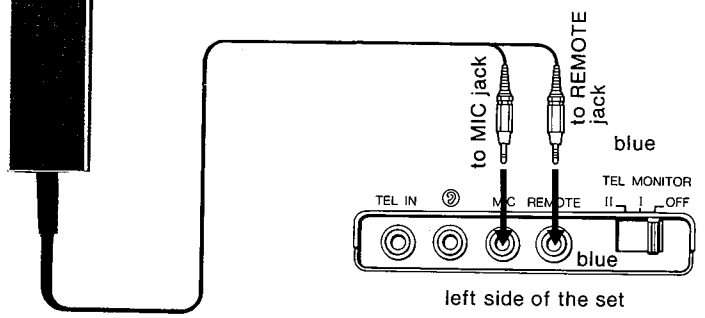
OPERATION indicator (red)
Lights when the tape is moving. It will flicker when the tape is near the end.
When the PAUSE button is pressed, the light will go off.

SAFETY switch
Normally set to OFF.
When you are recording or playing back an important program, set the switch to ON/ HOLD .
This keeps the machine in the mode previously set, preventing the machine from changing to another mode if by accident a tape operation button on the RM-33 is pressed.

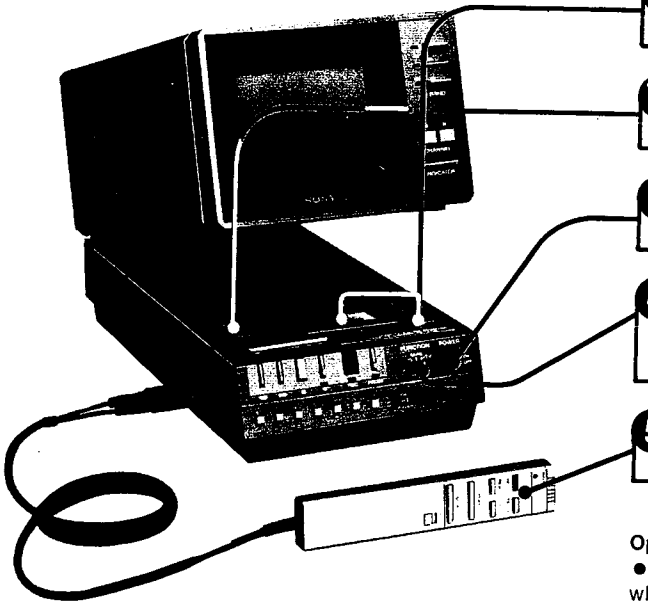
Buttons whose functions are the same as the set panel buttons.

REC (record) button
PAUSE button
REW (rewind) button
FF (fast-forward) button
PLAY button
STOP button

When the REC, PAUSE, or PLAY button is pressed, the corresponding lamp on the set will light.



left side of the set



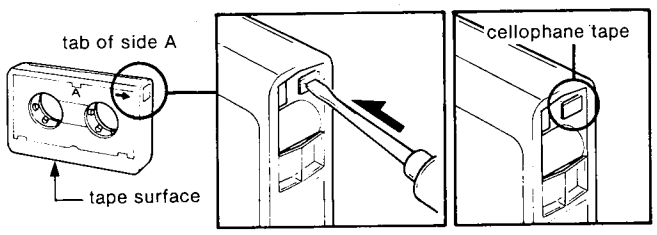
1. **Insert a cassette.**
2. **Select the tape speed.**
3. **Press the POWER button.**
4. **Set the FUNCTION selector to proper position.**
   For recording from the microphone, set to TAPE.
5. **Operate with the RM-33.**

Operating notes

- The tape operation buttons on the set panel are still operative when the RM-33 is connected and the SAFETY switch is set to ON/ HOLD .
- If you use only the remote control function, the connection to the MIC jack is not necessary. If you use only the RM-33 microphone, connections to both the REMOTE jack and the MIC jack are necessary.
- When the RM-33 microphone is connected to the MIC jack, the built-in MIC of the set panel does not function.

To prevent accidental erasure

When the recorder is operated in the record mode, previous recordings are automatically erased. When the small tabs at the side of a cassette are broken out, an interlock on the recorder will be activated, preventing recording.
To protect a side A recording, break out the tab of that side.
For the protection of side B, break out the tab of side B.
When the cassette is installed with the tabs broken out, the REC button cannot be activated.



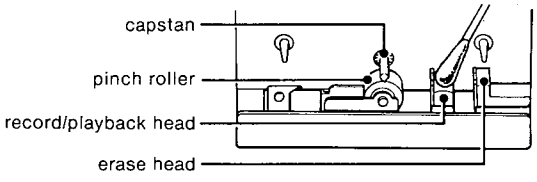
To reuse a cassette for recording after the tabs have been removed, simply cover each slot with a small piece of cellophane or vinyl tape.
● Do not stick any material on any part of the cassette except the circled portions, as shown.

Erasing without recording

A cassette can be erased without adding a new recording by inserting the SP-100 Shorting Plug (supplied) in the MIC jack and setting the recorder in record mode. After erasing, be sure to disconnect the plug.
● For quicker and easier erasure of the entire tape contents, the Sony BE-9H Cassette Eraser (optional) is recommended.

Cleaning the heads

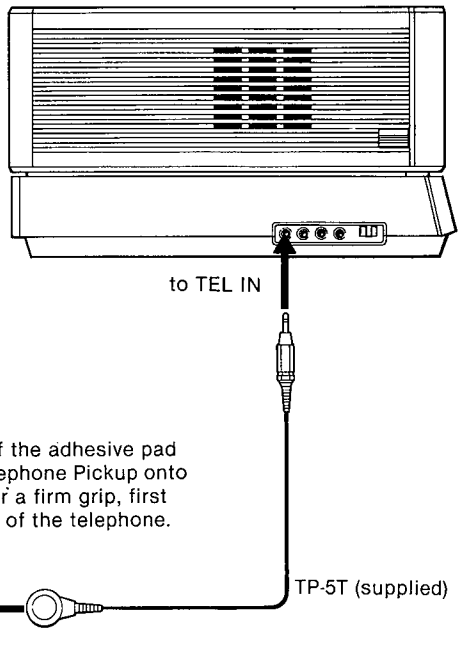
Keeping the tape heads in a clean condition is essential to the proper operation of the recorder. Accumulations of dust and tape oxides on the heads will result in sound drop-outs, a loss of high frequencies and excessive tape wear.
To clean the heads:
❶ Depress the EJECT button to open the cassette holder.



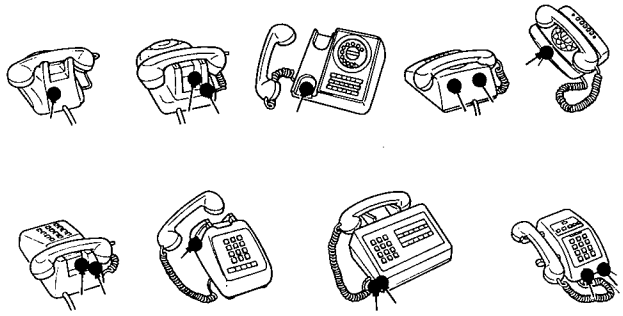
❷ Press the POWER button.
❸ Depress the ◀ button to move the heads out for easier access.
❹ Press the PAUSE button.
❺ Moisten the head cleaning tip (supplied) or a soft cloth with a denatured alcohol, and gently wipe the heads, capstan and pinch roller over which the tape travels.
● Avoid catching the cotton between the pinch roller and capstan.
❻ Depress the ■ button to release both PAUSE and ◀ buttons.
● Do not insert a cassette if the heads are protruding.
● Do not insert a cassette before the alcohol has dried completely.

Connection

Connect the supplied TP-5T Telephone Pickup to the TEL IN jack on the left side.


to TEL IN
Peel the paper off the adhesive pad and press the Telephone Pickup onto the telephone. For a firm grip, first clean the surface of the telephone.
TP-5T (supplied)

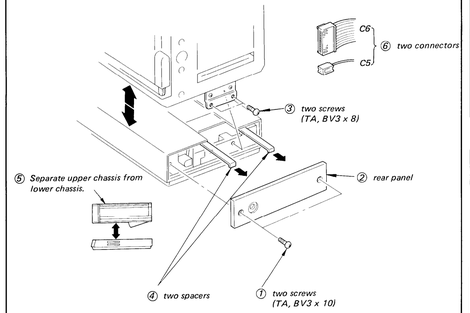
Recommended place to attach pickup to various telephone models:



SECTION 2
DISASSEMBLY AND REPLACEMENT

2-1. DISASSEMBLY FLOW-CHART

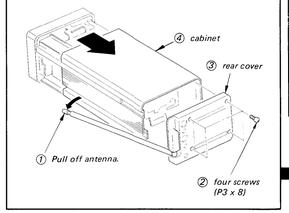
COLOR TELEVISION REMOVAL FROM MICROCASSETTE CORDER


C6
C5
⑥ two connectors
③ two screws (TA, BV3 x 8)
⑤ Separate upper chassis from lower chassis.
② rear panel
④ two spacers
① two screws (TA, BV3 x 10)

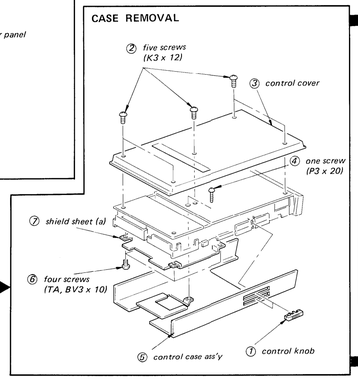
REAR COVER AND CABINET REMOVAL

Antenna

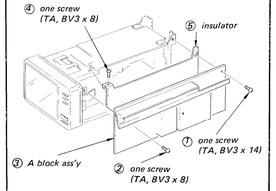
C1 Board



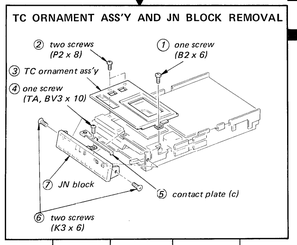
CASE REMOVAL


② five screws (K3 x 12)
③ control cover
④ one screw (P3 x 20)
⑦ shield sheet (a)
⑥ four screws (TA, BV3 x 10)
⑤ control case ass'y
① control knob

A BLOCK ASS'Y REMOVAL



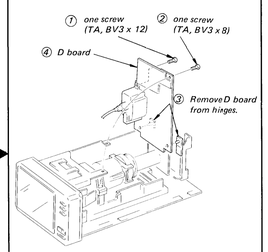
TC ORNAMENT ASS'Y AND JN BLOCK REMOVAL



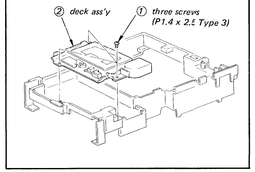
Y Board | LED | JN Board | MIC

D BOARD REMOVAL

Flyback Transformer

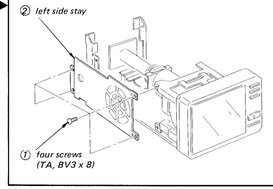


DECK ASS'Y REMOVAL

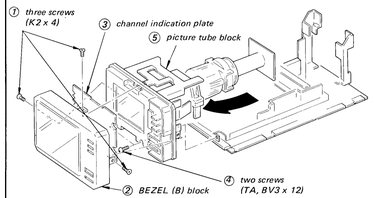


LEFT SIDE STAY REMOVAL

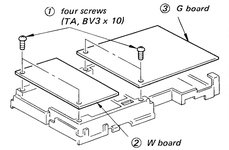
Speaker | HVR



PICTURE TUBE BLOCK REMOVAL

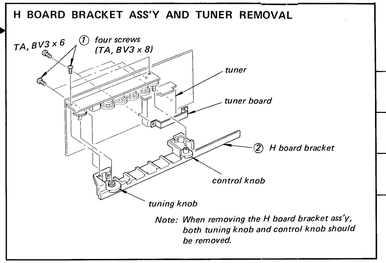


W AND G BOARDS REMOVAL



J3 Board | Power Switch

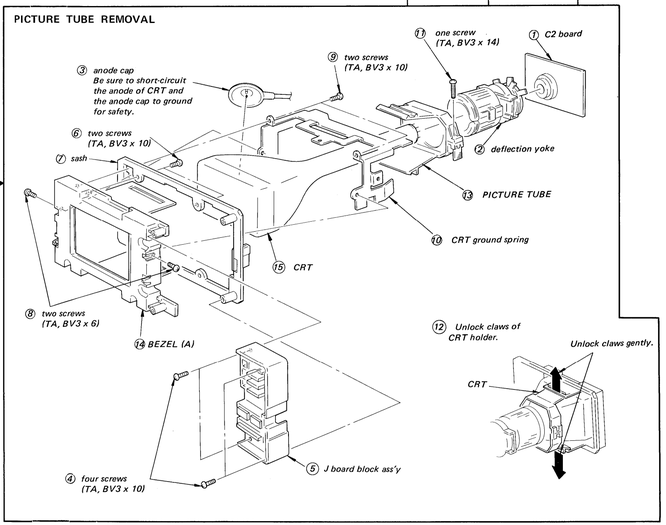
H BOARD BRACKET ASS'Y AND TUNER REMOVAL


TA, BV3 x 6
① four screws (TA, BV3 x 8)
tuner
tuner board
② H board bracket
control knob
tuning knob
Note: When removing the H board bracket ass'y, both tuning knob and control knob should be removed.

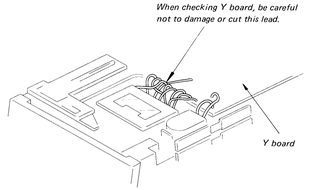
A Board | H Board | Tuner | S Board

PICTURE TUBE REMOVAL

J1 Board | J2 Board | Pilot Lamp

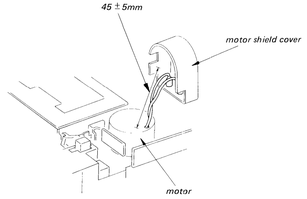

⑪ one screw (TA, BV3 x 14)
① C2 board
③ anode cap Be sure to short-circuit the anode of CRT and the anode cap to ground for safety.
⑨ two screws (TA, BV3 x 10)
⑥ two screws (TA, BV3 x 10)
⑦ sash
② deflection yoke
⑬ PICTURE TUBE
⑩ CRT ground spring
⑮ CRT
⑧ two screws (TA, BV3 x 6)
⑭ BEZEL (A)
⑫ Unlock claws of CRT holder.
Unlock claws gently.
CRT
④ four screws (TA, BV3 x 10)
⑤ J board block ass'y

2-2. NOTES ON CHECKING Y BOARD

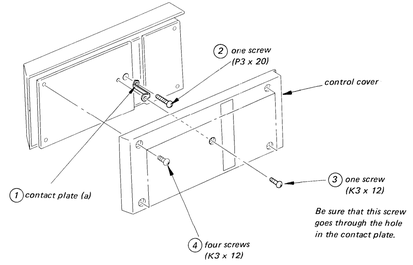


2-3. LENGTH OF LEAD WIRES WHEN REPLACING MOTOR

When replacing the motor, the length of the lead wires should be 45 ± 5mm.

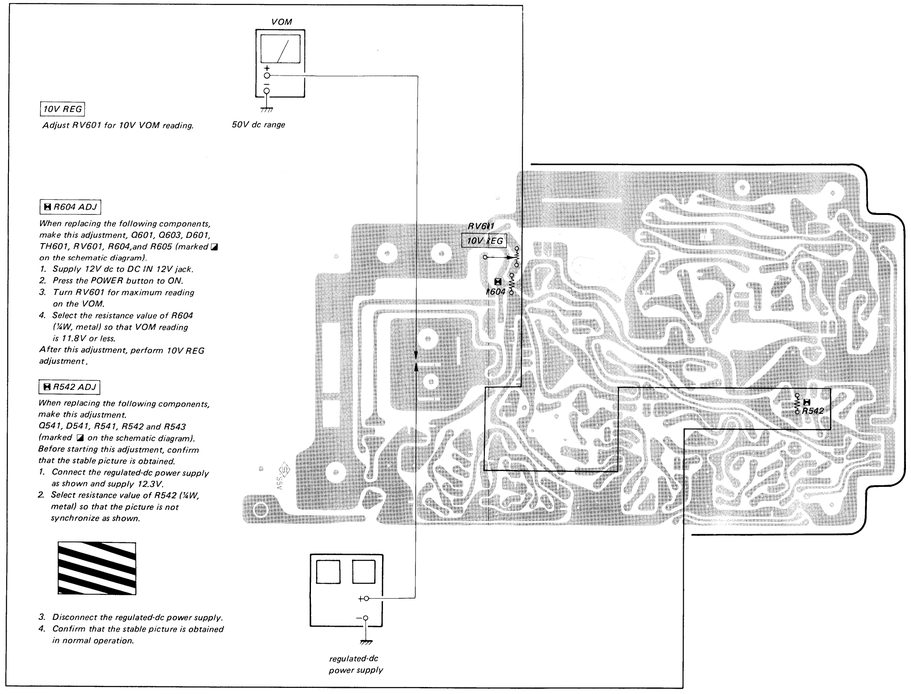


2-4. NOTES ON INSTALLING CONTROL COVER


2 one screw (P3 x 20)
control cover
1 contact plate (a)
3 one screw (K3 x 12)
Be sure that this screw goes through the hole in the contact plate.
4 four screws (K3 x 12)

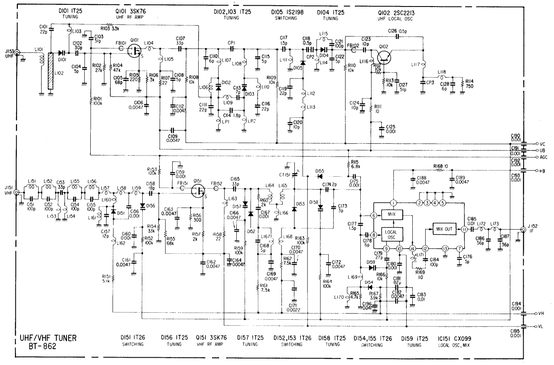
SECTION 3
CIRCUIT ADJUSTMENTS

3-1. D BOARD ADJUSTMENTS


VOM
10V REG
Adjust RV601 for 10V VOM reading.
50V dc range
H R604 ADJ
When replacing the following components, make this adjustment, Q601, Q603, D601, TH601, RV601, R604, and R605 (marked ◪ on the schematic diagram).
1. Supply 12V dc to DC IN 12V jack.
2. Press the POWER button to ON.
3. Turn RV601 for maximum reading on the VOM.
4. Select the resistance value of R604 (¼W, metal) so that VOM reading is 11.8V or less.
After this adjustment, perform 10V REG adjustment.
H R542 ADJ
When replacing the following components, make this adjustment.
Q541, D541, R541, R542 and R543 (marked ◪ on the schematic diagram).
Before starting this adjustment, confirm that the stable picture is obtained.
1. Connect the regulated-dc power supply as shown and supply 12.3V.
2. Select resistance value of R542 (¼W, metal) so that the picture is not synchronize as shown.
3. Disconnect the regulated-dc power supply.
4. Confirm that the stable picture is obtained in normal operation.
RV601
10V REG
H R604
H R542
regulated-dc power supply

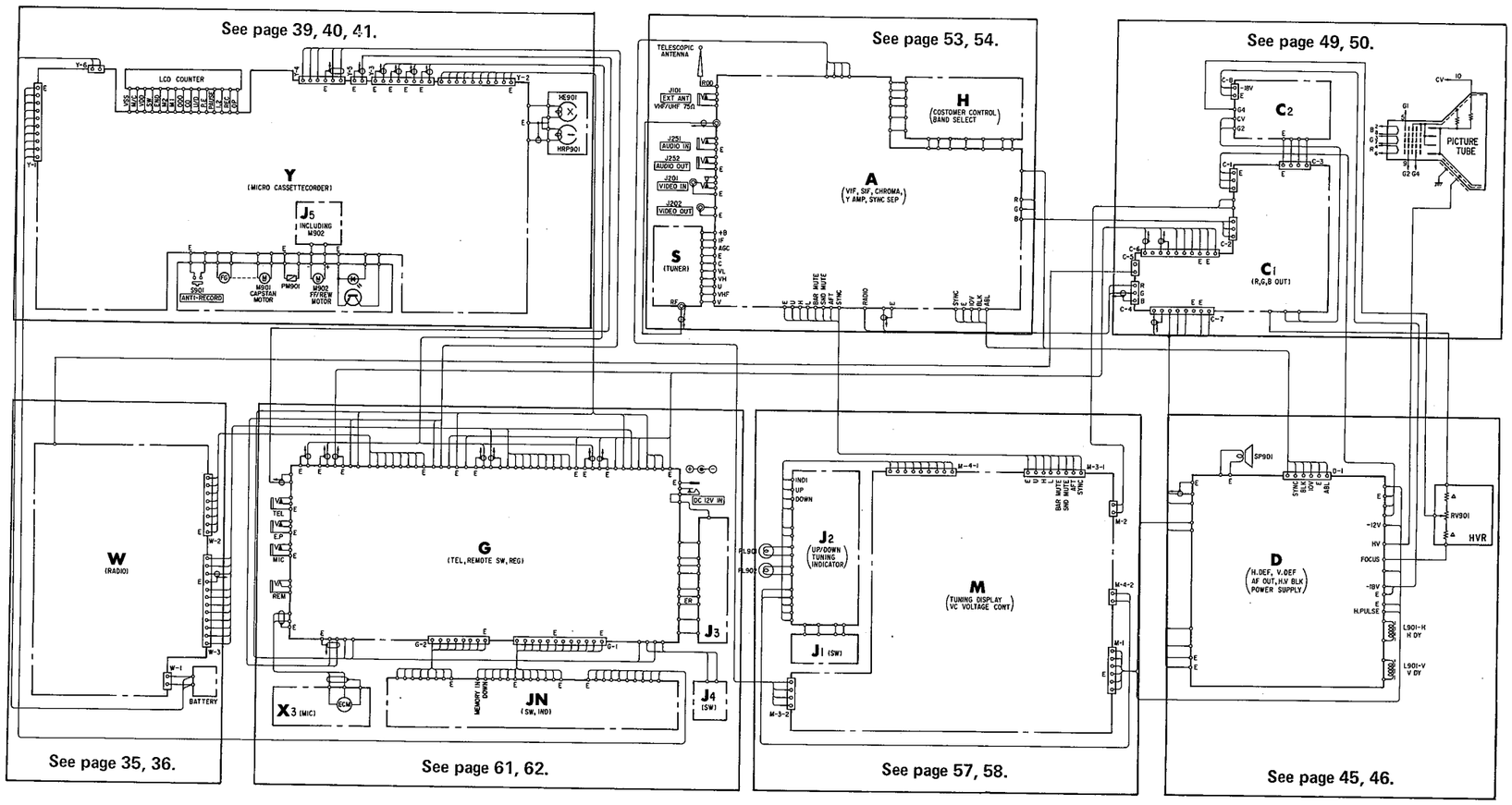
SECTION 4
DIAGRAMS

4-1. TUNER SCHEMATIC DIAGRAM — UHF/VHF TUNER — (BT-862)



- Tuner reference numbers are not included in the Electrical Parts List.

4-2. FRAME SCHEMATIC DIAGRAM



4-3. MOUNTING AND SCHEMATIC DIAGRAMS

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- All capacitors are in μF unless otherwise noted. pF : μμF 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/8 W unless otherwise noted. kΩ : 1000 Ω; MΩ : 1000 kΩ
- : nonflammable resistor.
- △ : internal component.
- : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by ⋈ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by ◪, make the necessary adjustment indicated. If results do not meet the specified value, change the component identified by ⋈ and repeat the adjustment until the specified value is achieved. (Refer to R542 and R604 adjustments on page 28 and 29.)
- When replacing the part in below table, be sure to perform the related adjustment.

Replaced Part (◪)	Adjustment (⋈)
Q541, D541, R541, R542 R543	R542
Q601, Q603, D601, TH601, RV601, R604, R605	R604

- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a 20,000-ohm-per-volt VOM.
- : adjustment for repair.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- Voltages on M board are measured with channel set to CH12 and MAN/AUTO switch to AUTO.
- TEL MONITOR switch is set to OFF.
- Voltages in ( ) on W board are measured with AM signal received.
- Voltages in < > on Y board are measured in record mode.
- ※ : selected to yield optimum performance.

— W Board —

| | | |

A B C D E F G H

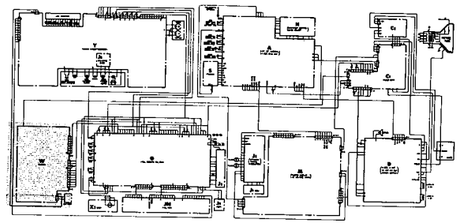
1 2 3 4 5

TO CI BOARD (C-5)

To Page 47

D1 IT25 FM V.C | Q1 2SC2212 FM MIX | Q2 2SC 2840 FM IF | IC1 μPC1018C FM/AM | D6 IT23 AM DET | D3,4 IT261 FM DISCRI | D7,9 ISS119 LEVEL DET | D10 ISS119 AM BIAS | Q5 2SC536SP MUTING | Q9 2SC536SP FM LEVEL PICK UP | Q10 2SA728A LEVEL DRIVER

W (RADIO)



Q3 2SC2840 FM OSC | D2 IT25 FM V.C | Q7 2SK54-C AM RF | D5 KV1236 AM V.C | Q8 2SC536SP AM BUFFER AMP | D8 MV-12NV BIAS | D14,15 ISS119 STOPPER-1,2

IC3 CX775A PLL

D12 RD11E-B REGULATOR | D13 IT261 DC/DC RECT

Q13 2SC1636 REG | D11 ISS119 PASS | IC2 μPB552C FM PRI SCALER | Q4 2SC1129 FM BUFFER AMP | Q11 2SC536SP D/D AGC | Q12 2SC536SP D/D OSC | Q6 2SC536SP 9/10 SELECT | D16 ISS119 STOPPER-3

To Page 59 TO G BOARD

To Page 59 TO G BOARD

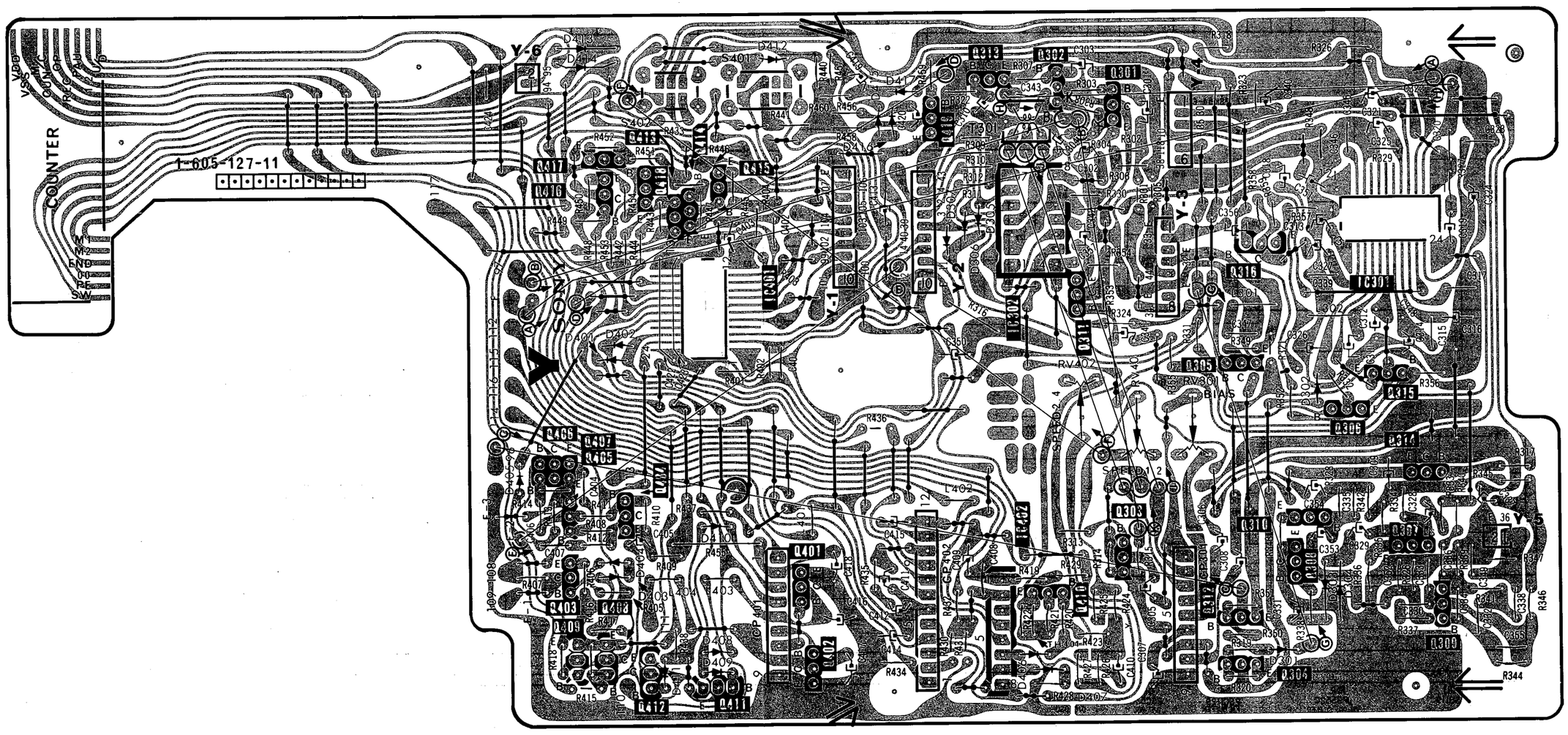
TO Y BOARD BATTERY

A B C D E F G H

1 2 3 4 5

– Y Board –

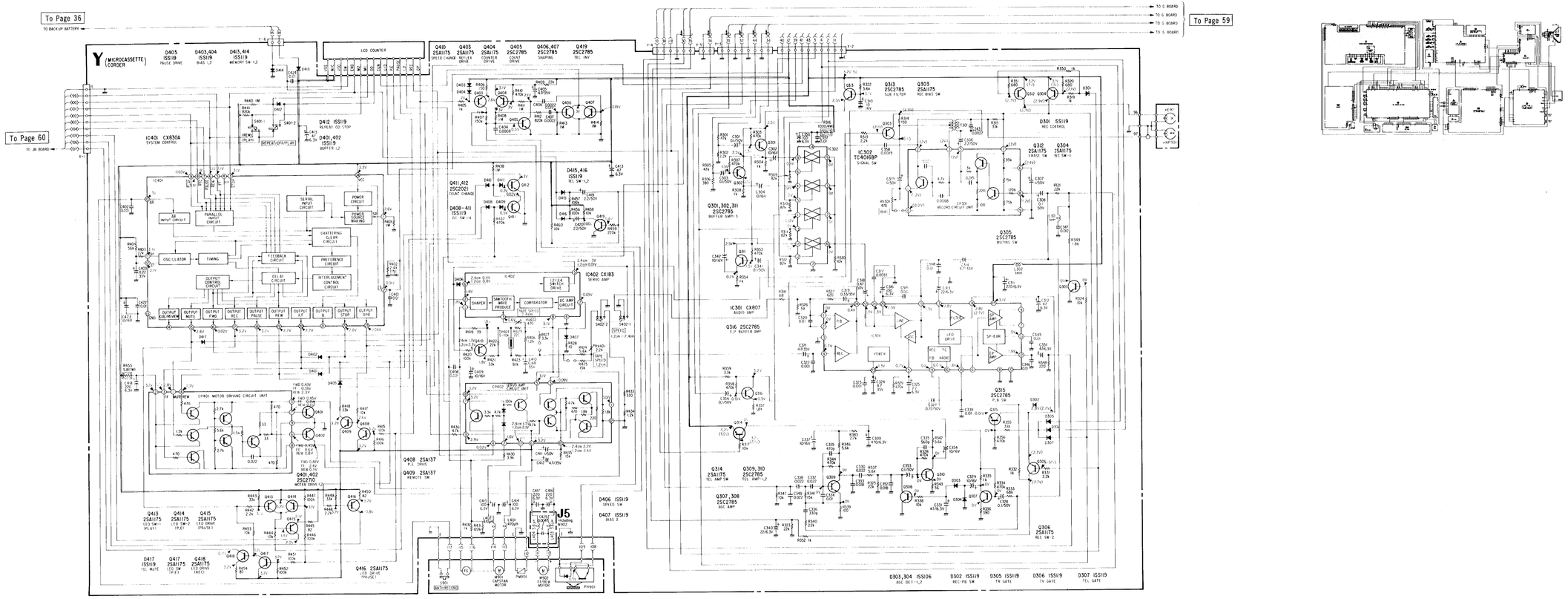
Q IC	403 406 417 418 414 408 407 416 413 415 409 405 404 412 411 IC401 401 402 419 313 302 IC302 IC402 301 311 410 303 316 305 312 304 310 306 308 315 IC301 314 307 309
D	405 413 414 401 404 403 402 411 410 408 409 412 415 417 416 307,306,305 406 407 301 301 302 303,304
ADJ	RV402, RV401, RV301



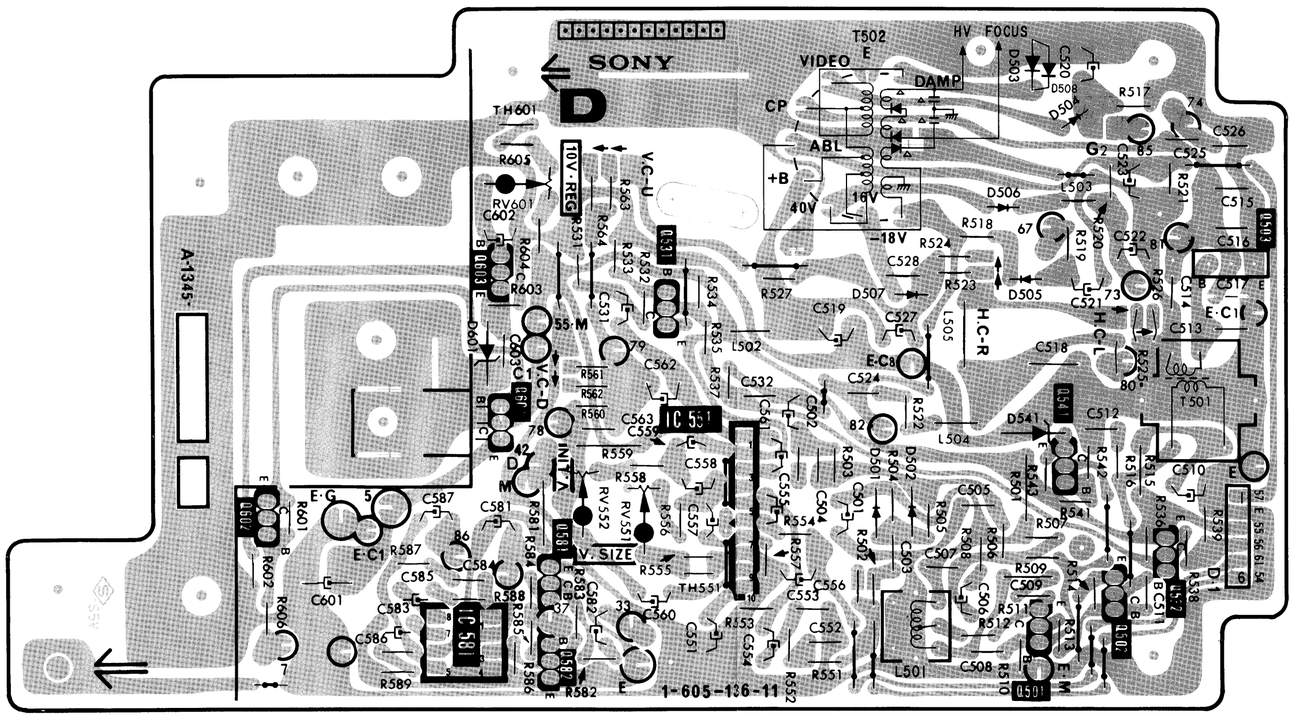
[MICROCASSETTE CORDER] Y Y Y

A B C D E F G H I J K

1 2 3 4 5


To Page 36
TO BACK UP BATTERY
To Page 60
TO JN BOARD
To Page 59
TO G BOARD
TO G BOARD
TO G BOARD
TO G BOARD
Y (MICROCASSETTE CORDER)
LCD COUNTER
IC401 CX830A
SYSTEM CONTROL
IC402 CX183
SERVO AMP
IC301 CX807
AUDIO AMP
IC302 TC4066BP
SIGNAL SW
CP401 MOTOR DRIVING CIRCUIT UNIT
J5
HEADPHONE JACK
CAPSTAN MOTOR
REEL MOTOR
PINCH
REC CONTROL
REC-PB SW
FR GATE
TV GATE
TEL GATE
REC SW-1
REC SW-2
REC BIAS SW
SUB FILTER
REC CIRCUIT UNIT
BUFFER AMP
P.B BUFFER AMP
P.B SW
TEL AMP SW
TEL AMP-1,2
AGC AMP
SPEED CHANGE REFLEX DRIVE
COUNT DRIVE
SHAPING
TEL INV
REMOTE SW
SPEED SW
BIAS 3
AGC DET-1,2
REMOTE CONT UNIT
REMOTE CONT UNIT
REMOTE CONT UNIT

— D Board —

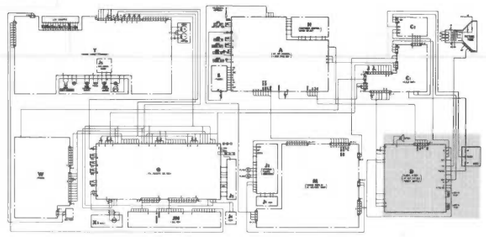

SONY
D
A-1345-
T502
E
VIDEO
HV FOCUS
DAMP
CP
ABL
+B
40V
16V
-18V
TH601
10V-REG
V.C-U
V.C-D
V.C-C
V.C-L
V.SIZE
H.C-R
H.C-L
E.C1
E.C8
E.G
G2
IC551
IC581
1-605-136-11

| | | |

[H. DEF, V. DEF, AF OUT, H. V BLK, POWER SUPPLY] **D** **D**

A B C D E F G H

1 2 3 4 5



To Page 47 TO CI BOARD (C-7)

TO A BOARD

SP901

D-1 SYNC BLK 10V E ABL

To Page 56 TO M BOARD (M-1)

IC581 AF AMP

R582 5.6k R583 5.6k R586 10k R584 4.7k R585 4.7k R588 180 R587 22k R589 5.6 R581 2.7

C582 10/16V C583 10/16V C584 0.001 100V C585 22 16V C586 0.022 100V C587 220 10V C581 220 16V

Q581 Q582

IC581 LM386N AF OUT

Q581,582 2SC2785 AF MUTE-1,2

D501 ISS119 AFC-1 D502 ISS119 AFC-2

Q501 2SA1175 H.OSC Q502 2SC2021 H DRIVE Q503 2SC2373 H.OUT

Q531 2SC2785 V.BLK Q532 2SA1175 H.V BLK

D503 D508 GM-3 DAMPER D507 RHI 16V RECT

D504 RHIZ 100V RECT D505 RHIZ -12V RECT

D541 RD3.3E-B H.OSC STOP BIAS

IC551 μPC1031H2 VERTICAL

Q541 2SC2785 H.OSC STOP

Q601 2SA771 REG OUT-1

Q602 2SA1175 REG SW-1

Q603 2SC2785 REG DET-1

D601 RD7.5E-B3Z REG REF-1

R543 470 R541 27k (±1%) (1/4W) R542 R604 R601 100k R606 22k R602 15k R603 100 R605 750 (±1%) (1/4W) RV601 470 10V ADJ C601 2200 25V C602 33 10V C603 0.001 D601 TH601 S-300

R501 220 (1/4W) R502 560 R503 2.2k R504 10k R505 8.2k R506 4.7k R507 47k R508 1.5k R509 1.5k R510 30k R511 22 R512 22 R513 390 R514 470 R515 56 (1W) L501 L502 25μH C501 100 10V C502 0.47 50V C503 0.0047 100V C504 100p C505 0.047 100V C506 33 50V C507 0.039 100V C508 0.033 100V C509 0.1/100V C510 10 16V C511 100p C512 0.001 100V C513 0.0022 C514 0.015 200V C515 0.015 200V C516 0.015 200V C517 OPEN C518 33 25V B.P C519 1000 16V C520 10 160V C521 10/50V C522 10/50V C523 1 50V C524 0.22 50V B.P C525 470p 500V C526 1000p C527 10/16V C528 0.0022 C531 1/50V C532 15p C533 5.6k C534 10k C535 22k C536 2.2k C537 47k C538 3.9k C539 3.9k C540 C541 C542 C543 C544 C545 C546 C547 C548 C549 C550 C551 220 16V C552 0.033 100V C553 0.047 100V C554 0.47/50V C555 1/25V C556 10/16V C557 10/16V C558 22/16V C559 22/16V C560 220/10V C561 47/10V C562 1000 10V C563 0.047 100V R517 680k R518 27 R519 100k R520 120k R521 82k R522 5.6 R523 120 R524 120 R525 330 (1/2W) R526 330 (1/2W) R527 560 R528 R531 1.8k R532 5.6k R533 5.6k R534 10k R535 22k R536 2.2k R537 47k R538 3.9k R539 3.9k R540 R541 R542 R543 R544 R545 R546 R547 R548 R549 R550 R551 10k R552 6.8k R553 2.7k R554 27k R555 1.2k R556 8.2k R557 330k R558 220 R559 33 (1/2W) R560 1.5k R561 1.8k R562 1.8k R563 620 R564 620 RV551 10k V.SIZE RV552 470 V.LIN RV901 FOCUS HVR TH551 TH-4700 T501 HDT T502 FBT L503 82μH L504 470μH L505 6.8mH

IC551: V SYNC, V.OSC, WAVE SHAPE, BLK CLAMP, V.OUT

D506 RHI 40V RECT

H.FREQ H.PULSE H.SIZE H.CENT V.SIZE V.LIN V.CENT VIDEO FOCUS HV

(2) 1.2Vp-p(V) (15) 6Vp-p(H) (16) 20Vp-p(H) (17) 85Vp-p(H) (18) 3.4Vp-p(V) (19) 1Vp-p(V) (20) 9Vp-p(V) 10μsec

To Page 47 TO CI BOARD (C-1)

To Page 56 TO M BOARD (M-1)

TO C2 BOARD FOCUS (G4)

To Page 47

TO CI BOARD SCRN

To Page 48

To Page 48 TO PICTURE TUBE (HV)

To Page 47 TO C2 BOARD (C-8)

L901-H H DY

L901-V V DY

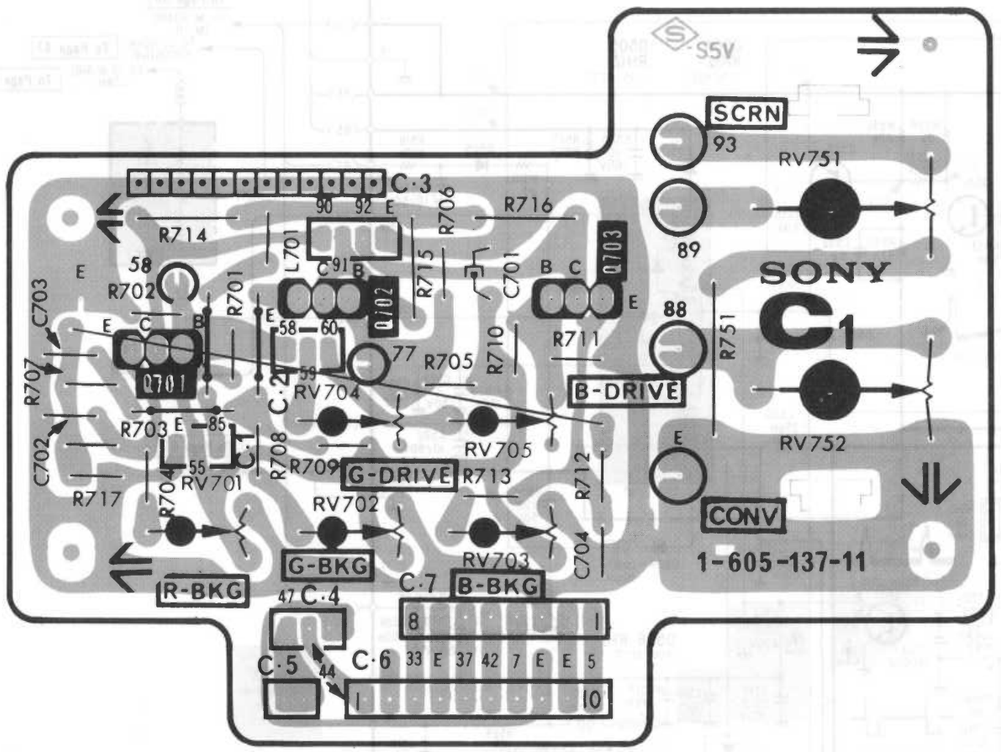
D (H.DEF, V.DEF AF OUT, H.V BLK POWER SUPPLY)

C2 C1 C1 [R. G. B OUT] C2

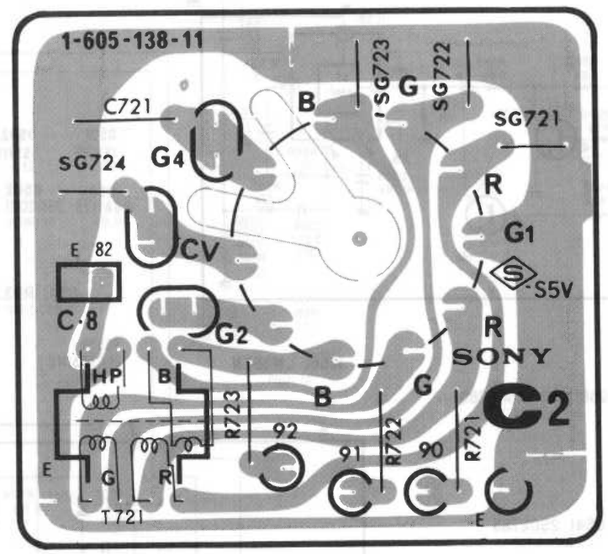
A B C D E F G H

1 2 3 4 5

— C1 Board —



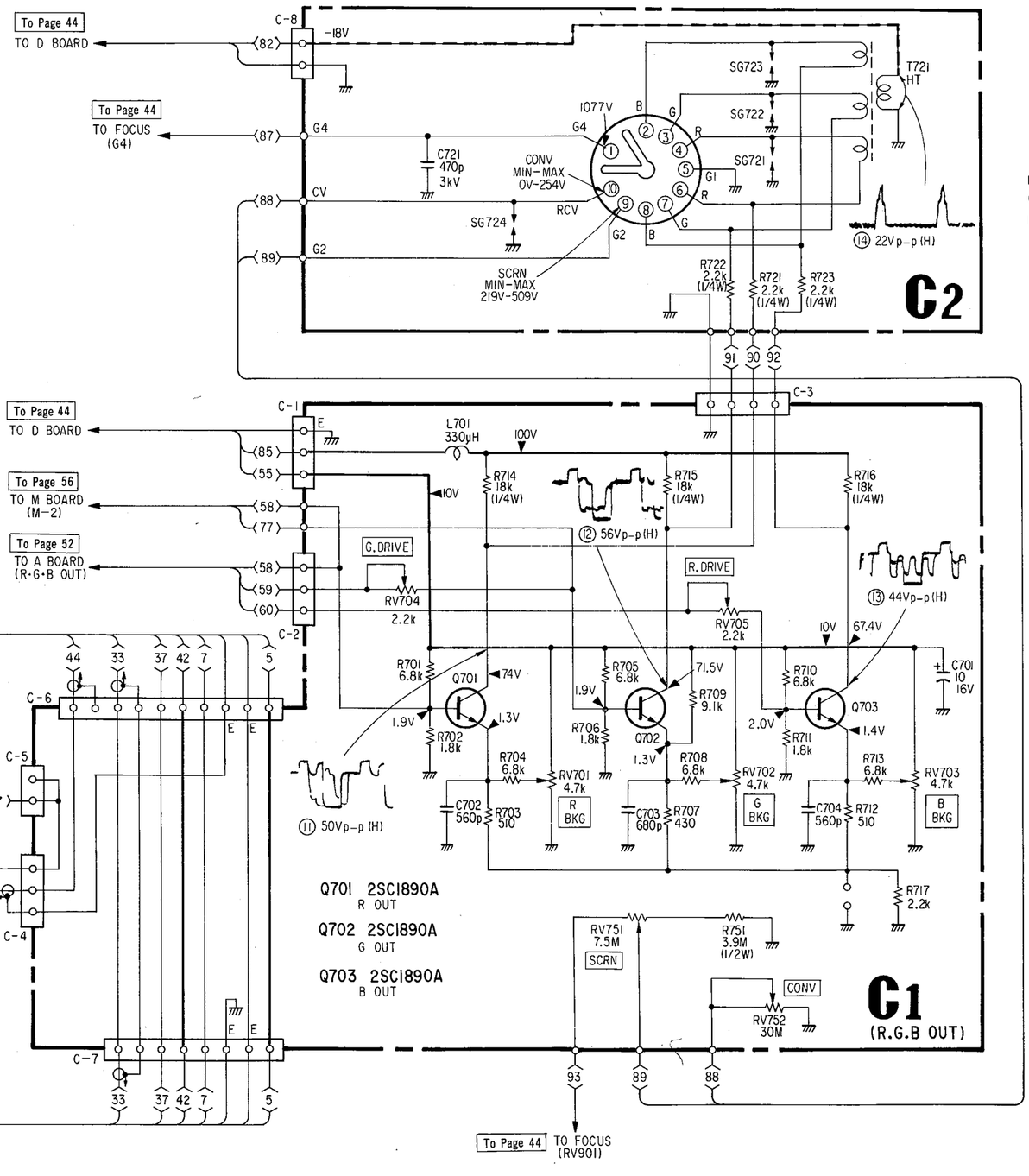
— C2 Board —

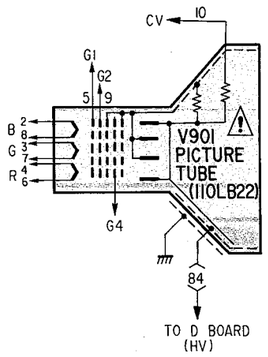


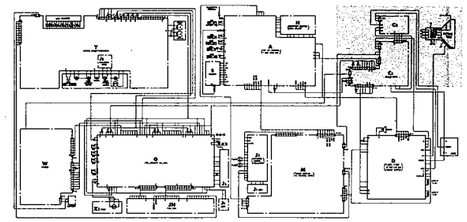
C2 [R. G. B OUT] C1 C1 C2

A B C D E F G H

1 2 3 4 5







S H A A [VIF, SIF, CHROMA, Y AMP, SYNC SEP] H S

A B C D E F G

1 2 3 4 5

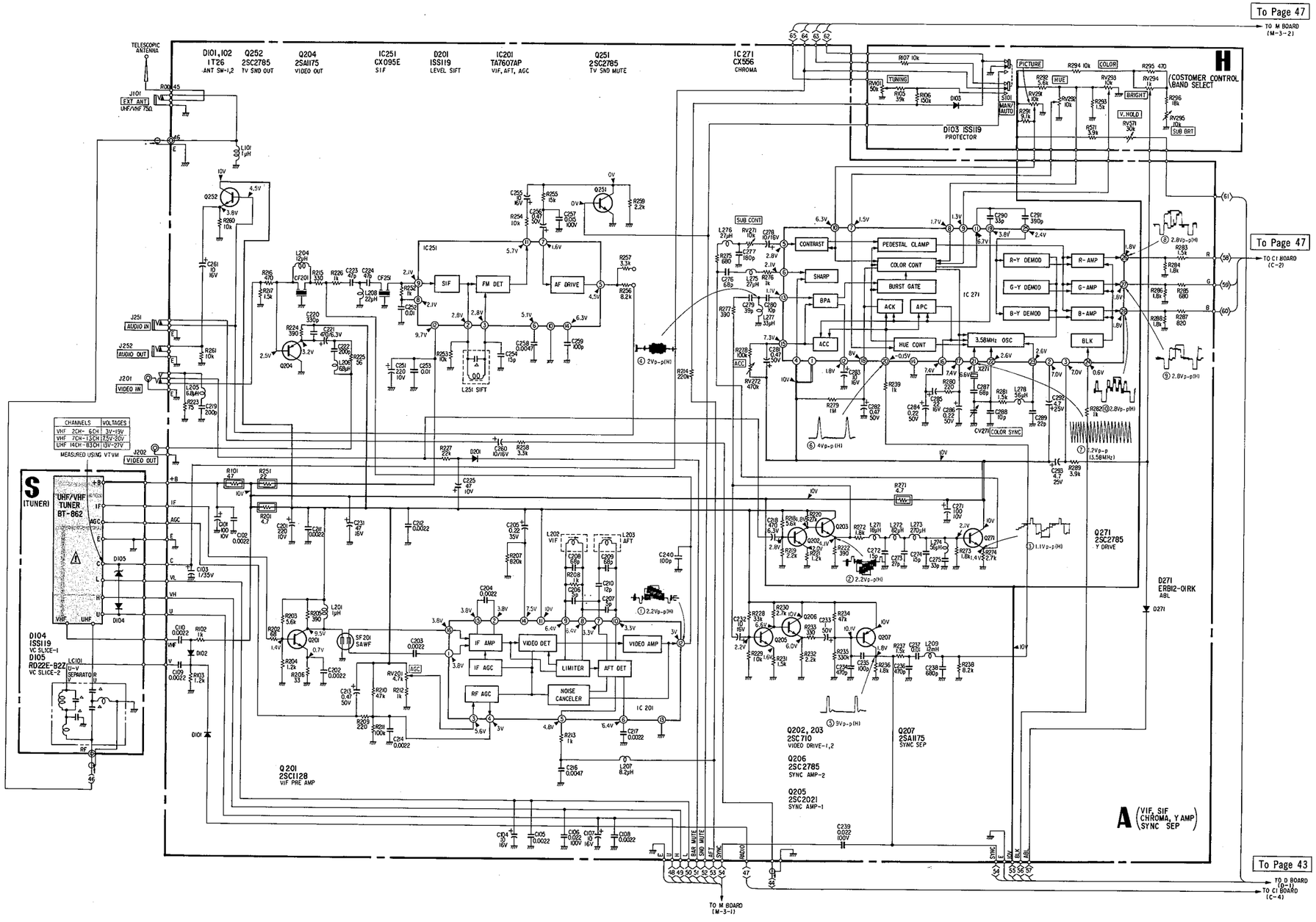
— A Board —

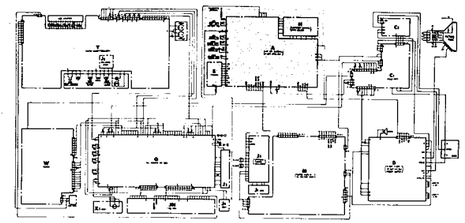
| | | |

S H [VIF, SIF, CHROMA, Y AMP, SYNC SEP] A A H S

A | B | C | D | E | F | G | H

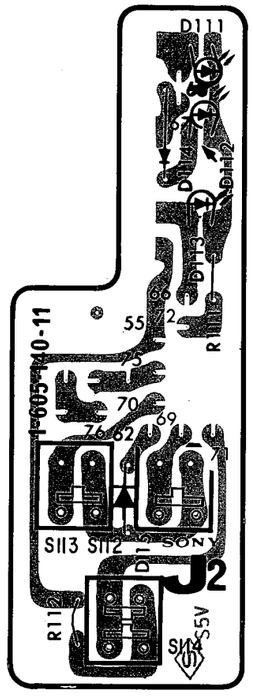
1 | 2 | 3 | 4 | 5



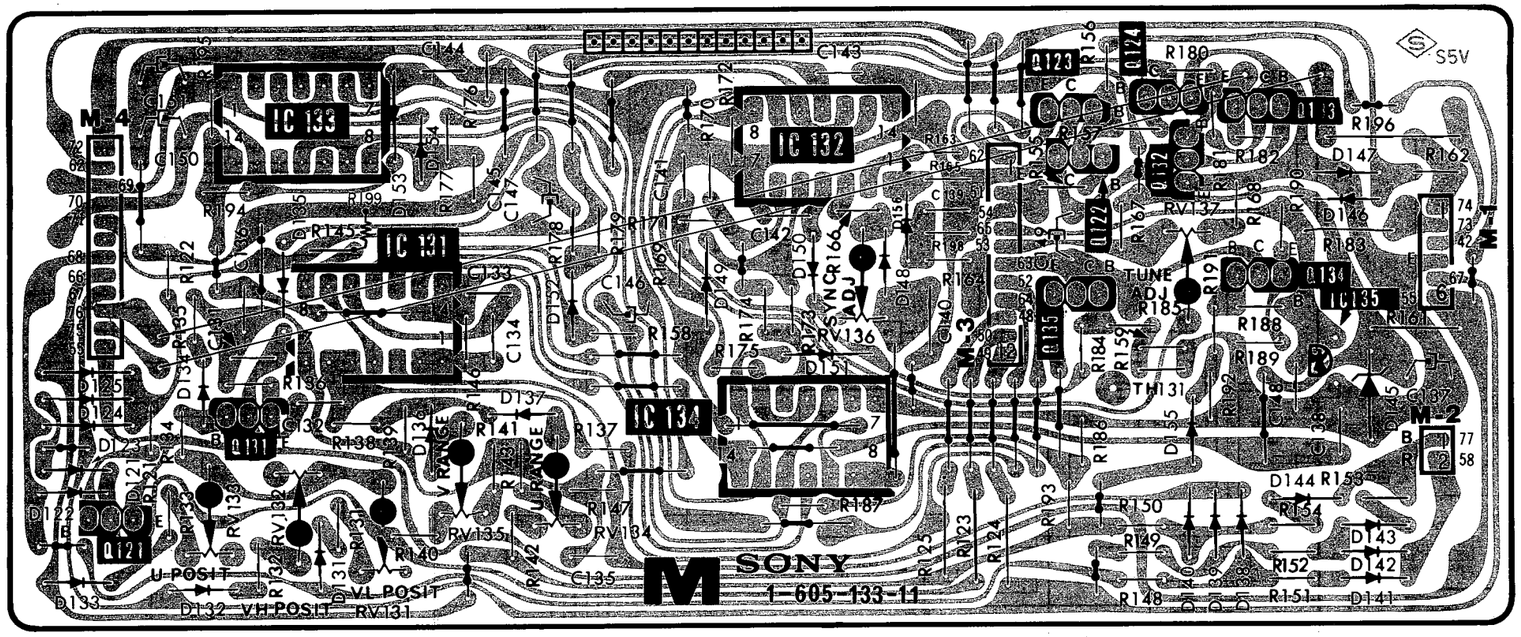


J2 J1 M M [TUNING DISPLAY / VC VOLTAGE CONT] J1 [SW] J2 [UP/DOWN TUNING / INDICATOR]

— J2 Board —

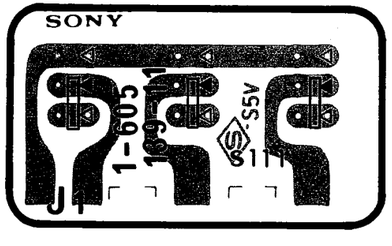


— M Board —



Q / IC																		Q / IC
	121		131	IC133	IC131					IC132 IC134		123 122 135	124 132	133 134	IC135			
D	125, 124 123, 122 133		134 132		135 131	154 136	137	152	149	150 151	148, 156		155	138 139 140	147, 146 154 145	143, 142, 141		D
ADJ			RVI33		RVI32	RVI40	RVI35	RVI34			RVI36			RVI37				ADJ

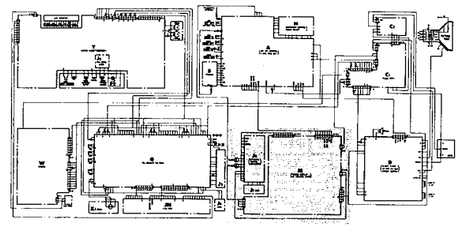
— J1 Board —



[UP/DOWN TUNING INDICATOR] J2 [SW] J1 [TUNING DISPLAY VC VOLTAGE CONT] M M J1 J2

A B C D E F G H

1 2 3 4 5



J2 (UP/DOWN TUNING INDICATOR)

INDI SW14 UP SW12 DOWN SW13 D115

D114, 115 ISS119 PROTECTOR-2,3

D111 TLR124 INDICATOR L

D112 TLY124 INDICATOR H

D113 TLG124 INDICATOR U

R112 22k R111 390

PL901 PL902 D112 D113 D114 D111

SW11

VHF VHF-H VHF-L

J1 (SW)

M-4-1 (62) (72) (71) (70) (69) (55) (68) (67) (66)

TO A BOARD

M-3-1 (48) (49) (50) (51) (52) (53) (54)

E U H L BAR MUTE SND MUTE AFT SYNC

M (TUNING DISPLAY VC VOLTAGE CONT)

Q121 2SA1175 BAND SELECT VHF LOW

Q123 2SA1175 IND MUTE-3

Q122 2SC2785 IND MUTE-1

Q124 2SC2785 IND MUTE-2

D123,124,125 1T22A LOW CH GATE-1-3

D134 ISS119 SAW GEN STABLE

D135 ISS119 H.PULSE SW

R125 47

R124 150 (1/4W)

D121

D122

R123 18

D123 D124 D125

R140 15k

D136

Q121 9.7V 9.3V

RV135 10k V RANGE ADJ

R122 10k R121 1k 10V

R141 10k

22 3Vp-p(H) UHF INDICATOR ON

23 3Vp-p(H) VHF-H INDICATOR ON

24 3Vp-p(H) VHF-L INDICATOR ON

D136 ISS119 POSITION SW-V

D121,122 ISS119 LOW B SW-1,2

0.8V Q123 0.1V R156 10k

0.01V Q124 R157 220k 0.1V Q122 R155 10k 0.6V

Q131 2SC2785 LAMP DRIVE-1

D131-133 ISS119 POSITION SW L,H,U

R150 15k R149 82k R154 560 R152 560 R148 12k R151 560

D144 D143 D142 D141 R153 680

M-2 (77) (58)

To Page 47

TO CI BOARD

D131 D132 D133

R131 2.2k R132 2.2k R133 560

26 5.6Vp-p(H)

27 8Vp-p(H)

POSITION ADJ L-CH POSITION ADJ H-CH POSITION ADJ UHF

RV131 10k RV132 10k RV133 10k D135

R134 56k Q131 5.9V C131 0.0022 100V 4.5V C132 0.047 100V IC131(1/4) R142 15k

D134 3.2V R135 4.7k R136 15k 2.6V R137 1M R139 100k R138 120k RV134 10k D137 R143 6.8k U RANGE ADJ

C133 330p R146 47k IC131(II/4) D140 D139 D138 C136 0.0022

C134 39p 8V 0.3V R147 6.8k C135 0.001

R199 1M R145 1M C147 4.7 25V

D137 ISS119 POSITION SW-U

25 7.2Vp-p(H) INDICATOR ON

D138-140 ISS119 MARKER SW L,H,U

D141 ISS119 MARKER MX-L

D142 ISS119 MARKER MX-HR

D143 ISS119 MARKER MX-HG

D144 ISS119 MARKER MX-U

R182 10V 47k Q133 10V Q132 0V R180 820k R181 560k

M-4-2 (76) (75)

R196 27 (1/4W)

To Page 52

TO A BOARD

(62) (64) (65) (63)

M-3-2

D153, 154 ISS119 UP-DOWN PRESET-1,2

R195 56k C150 50V C151 0.22 50V

D152 ISS119 INDI SW

R179 10k D152

D155 ISS119 MARKER SPEED U

R194 100k IC133(1/2) 8V 0V D153 0V 8V

IC131(II/4) C143 0.0047 8V R158 10k C146 10 16V

IC134(I/3) 0V 8V IC134(II/3) 8V 0V

IC132(II/4) 8V R176 100k

C144 0.047 100V C145 0.047 100V

D154 8V 0V IC133 (I/2) R187 10k

IC132(I/4) 8V 3.2V R177 33k

R190 12k 27.6V Q134 R188 24k 27 R189 220k R191 130k D155 R192 10k R193 47k 18V

C149 47 35V 0.6V Q135 0.3V R186 1.8k

R185 3.9k TH131 S-300 R159 1.5k R184 22k R183 3.3k(1/4W)

IC135 C148 0.0022 100V

IC134(II/3) 8.0V 0V R175 220k

D151 D150 C142 100p IC132 (1/4) 4.2V 3.9V R174 220k R173 100k D149

C138 0.01 100V C137 47 10V D145 R167 47k

D145 RD8.2E-B2Z 8.2V STABLE

D146 D147 RV137 47k TUNING ADJ R168 120k

D146,147 ISS119 PULSE SLICE-1,2

R161 100 (1/4W) R162 1k

M-1 (74) (73) (42) (67) (55)

To Page 44

TO D BOARD

28 27Vp-p(H)

Q133 2SB733 LAMP DRIVE-2

Q132 2S2785 LAMP DRIVE-1

R169 22k R172 220k

30 0.32Vp-p(V) TP

29 8Vp-p(H)

IC134(I/3) 2.5V D148 IC132(I/4) 4.6V R163 22k R164 10k

R170 220k R171 2.2k C141 100p C140 0.1/100V R166 1k 7.6V D156 0.7V

RV136 100k SYNC ADJ R165 100k R198 100k C139 47p

D148 ISS119 SYNC DET

D156 ISS119 SYNC GATE-2

IC135 C148 0.0022 100V

Q134 2SA1175 TUNING HOLD-1

Q135 2SC2785 TUNING HOLD-2

IC135 µPC574J STABLE 32V

D150, 151 ISS119 TUNING HOLD GATE-1,2

IC133 TC4011BP UP-DOWN MEMORY-1

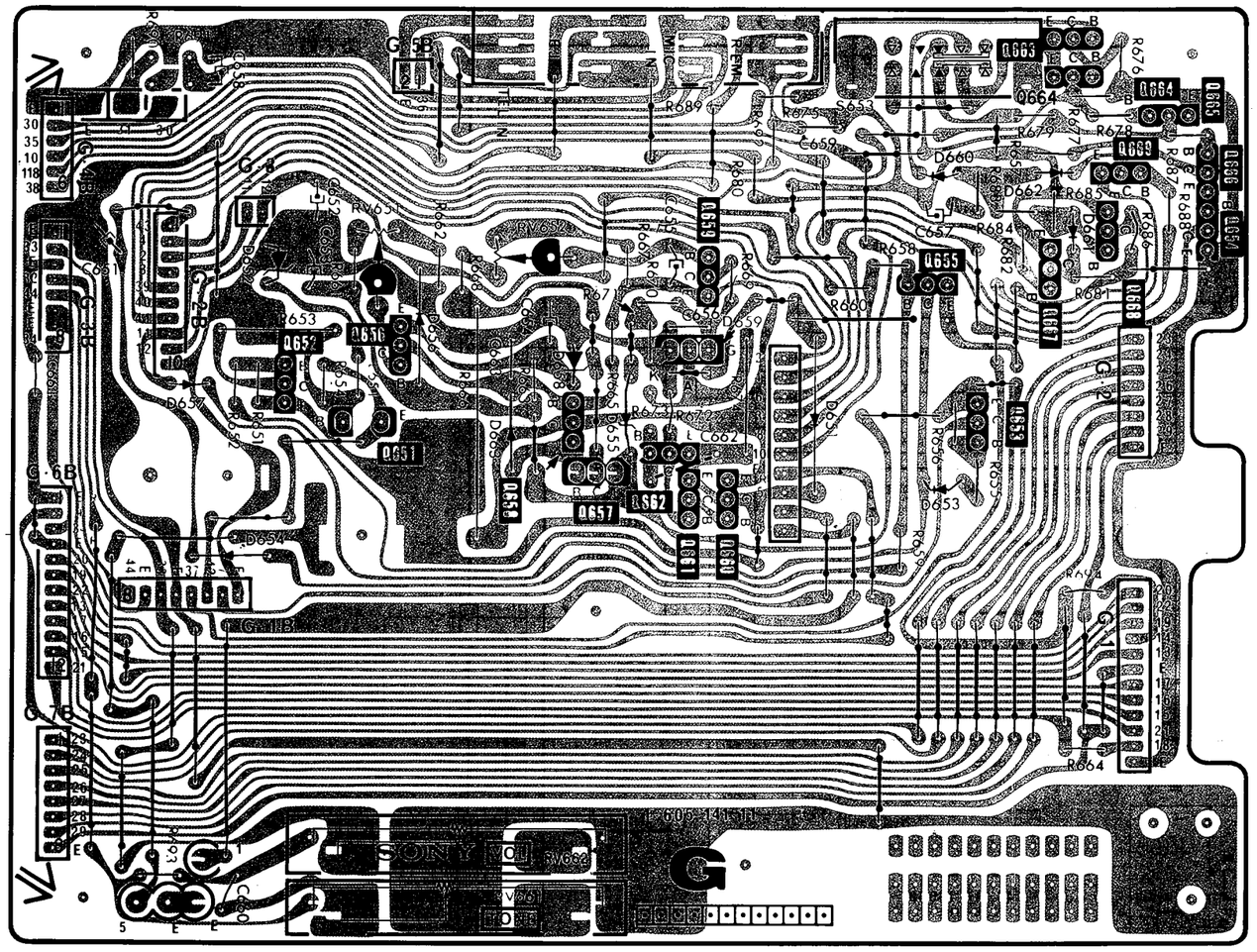
IC134 TC4001BP UP-DOWN MEMORY-2

IC131 TC4011BP DISPLY

IC132 TC4011BP UP DOWN RESET

D149 ISS119 SYNC GATE-2

— G Board —


G
SONY
Q651
Q652
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Q655
Q656
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Q659
Q660
Q661
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Q664
Q665
Q666
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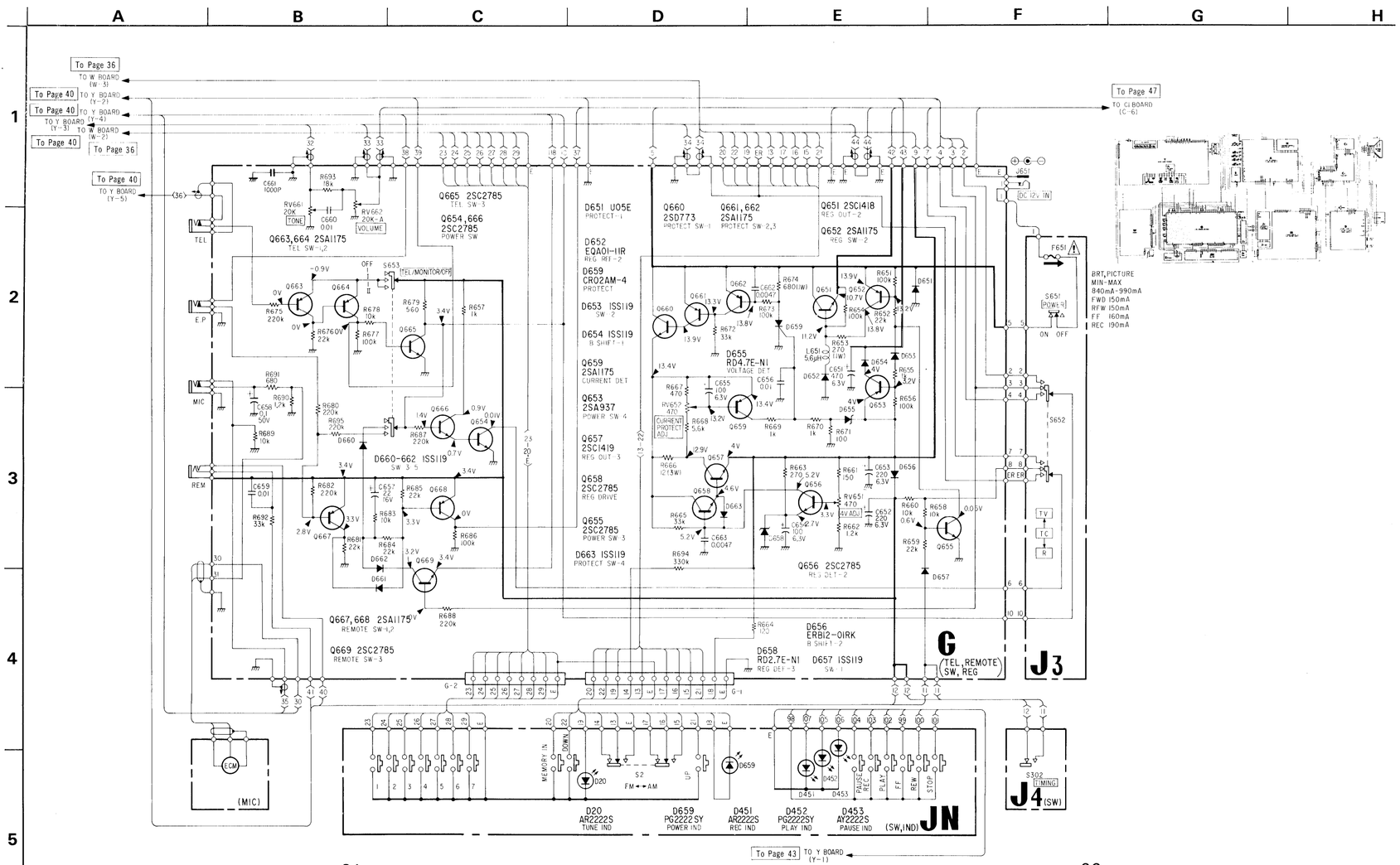
Q668
Q669
RV651
RV652
1-605-141-11

| | | |



CX095E

CX183

CX556
CX556B

CX775A
CX775B

CX807
CX830A

LM386N

TA7607AP
μPC1018C

TC4001BP
TC4011BP
TC4016BP
μPD4001BP

μPB552C

μPC1031H2

μPC574J

2SA728

2SA771

2SA937

2SA1175

2SB733

2SC536SP

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2SC1129

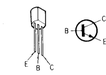
2SC1418

2SC1636

2SC1890A

2SC2021

2SC2212



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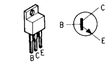

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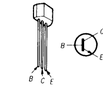

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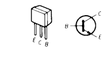


2SK54-C

2SD773

1SS106
1T22A
1T22AM
1T23
1T26
1T261
RD2.7E-N1
RD3.3E-B
RD4.7E-N1
RD7.5E-B3Z
RD8.2E-B1
RD8.2E-B2Z
RD11E-B
RD22E-B1
RD22E-B2Z

1SS119

1T25-4

ERB12-01RK
RH1
RH1A
RH1Z

AR2222S
AY2222S
PG2222SY

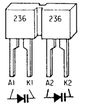
CR02AM-4

EQA01-11R
EQB01-11Z

ERB12-04RK

GM3
U05E
U05G

KV1236

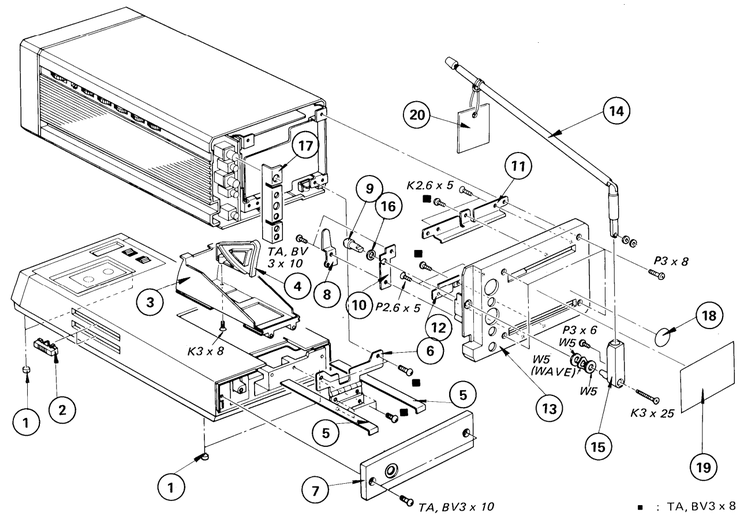


MV-12NV

TLG124
TLR124
TLY124

SECTION 5
EXPLODED VIEWS

1. REAR COVER



No.	Part No	Description	Remark
1	4-344-213-00	FOOT	
2	4-353-225-00	KNOB, CONTROL	
3	♦:4-353-292-00	COVER	
4	♦:4-353-213-00	GUIDE, ARM	
5	♦:4-353-240-00	SPACER	
6	♦:4-353-214-00	HINGE	
7	4-353-307-00	PANEL, REAR	
8	4-344-214-00	PLATE, CONTACT, ANTENNA	
9	4-344-281-00	SHAFT, CONTACT, ANTENNA	
10	♦:4-353-259-00	BOARD, TERMINAL, ANTENNA	
11	♦:4-353-257-00	BRACKET (UPPER), ADAPTOR	
12	♦:4-353-258-00	BRACKET (LOWER), ADAPTOR	
13	4-353-309-00	COVER, REAR	
14	1-501-229-00	ANTENNA, TELESCOPIC (SW/FM)	
15	4-353-284-00	COVER, ANTENNA	
16	3-701-443-11	WASHER	
17	♦:4-353-262-00	SHEET, BLIND	
18	3-701-915-01	LABEL, UL	
19	♦:4-353-270-00	LABEL, MODEL NUMBER	
20	4-491-549-21	CAUTION TAG	

NOTE:
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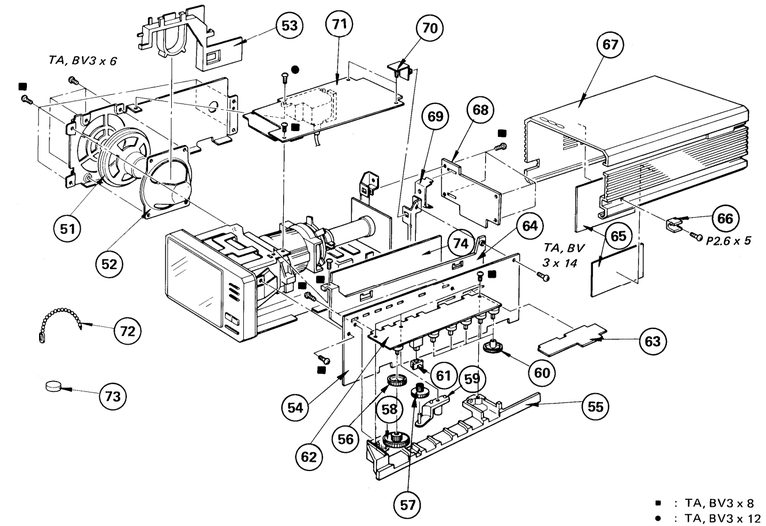
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- As to the part numbered with E-, refer to the electrical parts list.
- Items marked " ♦ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

2. CABINET



No.	Part No	Description	Remark
51	1-502-703-00	SPEAKER	
52	♦:4-344-240-00	BRACKET, SPEAKER	
53	♦:4-344-244-02	CLAMP, LEAD	
54	♦:A-1295-512-A	A BOARD, COMPLETE	
55	♦:X-4353-209-0	BRACKET ASSY, H PC BOARD	
56	4-353-235-00	GEAR (A)	
57	4-353-236-00	GEAR (B)	
58	4-353-237-00	KNOB, TUNING	
59	♦:4-353-250-00	SHAFT, GEAR	
60	4-353-252-00	KNOB, CONTROL	
61	4-353-254-00	KNOB (G), SLIDE	
62	♦:1-605-135-00	H BOARD	
63	♦:1-605-134-00	S BOARD	
64	♦:4-353-297-00	INSULATOR	
65	4-344-272-00	NET, BLIND	
66	♦:4-353-260-00	HOLDER, ANTENNA	
67	X-4353-207-0	CABINET ASSY	65,66
68	♦:1-605-137-00	C1 BOARD	
69	♦:4-353-251-00	COVER, CONTROL	
70	♦:3-701-832-00	HINGE, CIRCUIT BOARD	
71	♦:A-1345-327-A	D BOARD, COMPLETE	
72	4-308-870-00	CLIP, LEAD WIRE	
73	1-452-032-00	MAGNET, DISK; 10mm ϕ	
74	♦:A-1306-140-A	M BOARD, COMPLETE	

NOTE:
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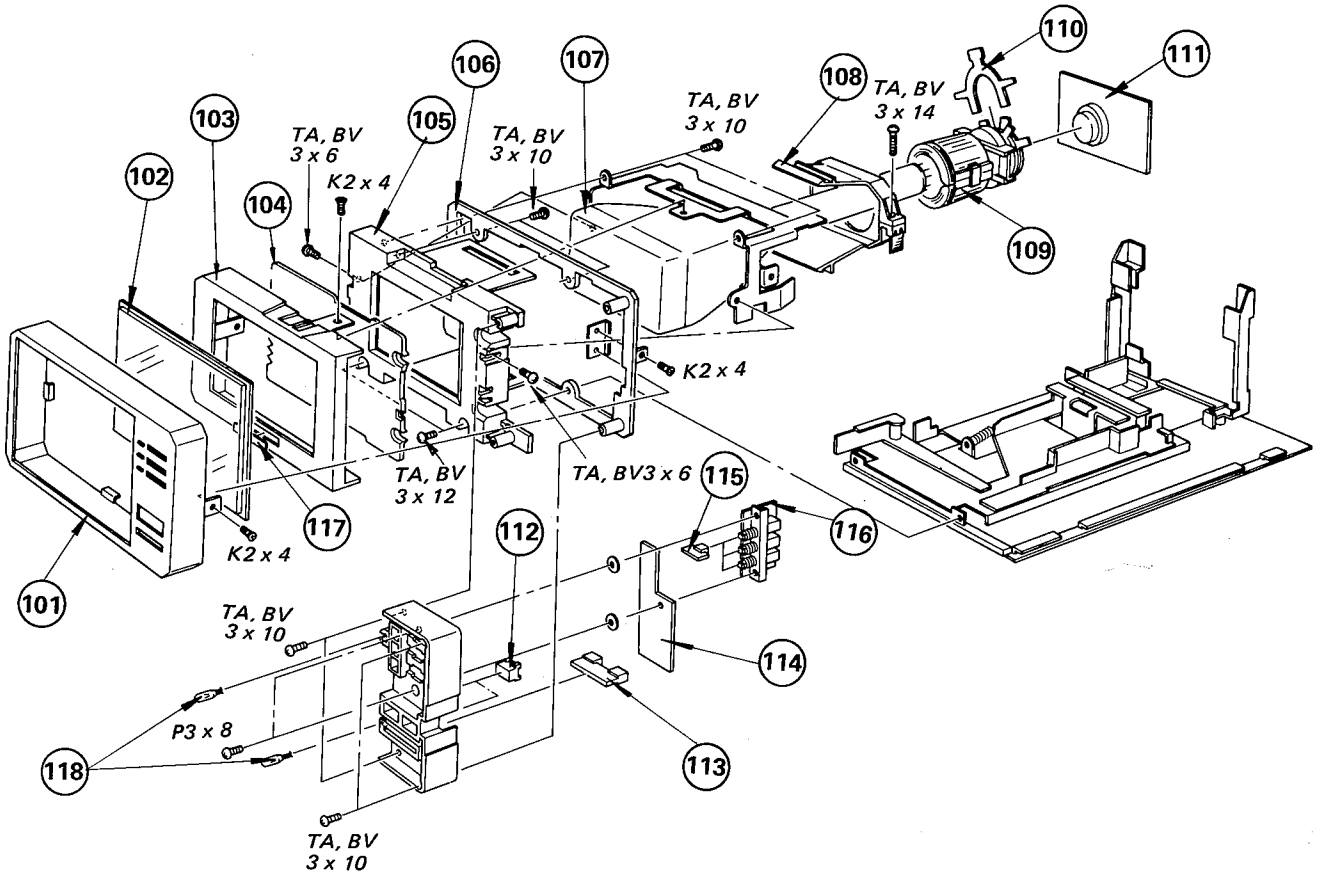
3. BEZEL



No.	Part No	Description	Remark
101	X-4353-203-0	PLATE ASSY, ORNAMENTAL	
102	4-353-206-00	FILTER	
103	4-353-289-00	BEZEL (B)	
104	4-353-271-00	PLATE, INDICATION, CHANNEL	
105	♦:4-353-288-00	BEZEL (A)	
106	4-353-290-00	SASH	
107	⚠.8-733-301-01	CRT (SD-110)	
108	♦:4-344-260-14	HOLDER, CRT	
109	⚠.1-451-184-00	DEFLECTION YOKE (SY-110)	
110	1-452-192-00	MAGNET, CORRECT BMC	
111	♦:1-605-138-00	C2 BOARD	
112	4-353-247-00	PUSH BUTTON (F)	
113	4-353-248-00	PUSH BUTTON (G)	
114	♦:1-605-140-00	J2 BOARD	
115	4-353-246-00	PUSH BUTTON (E)	
116	♦:1-605-139-00	J1 BOARD	
117	4-344-267-00	EMBLEM, SONY	
118	1-518-306-00	LAMP, PILOT	

NOTE:
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- Items marked " ♦ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

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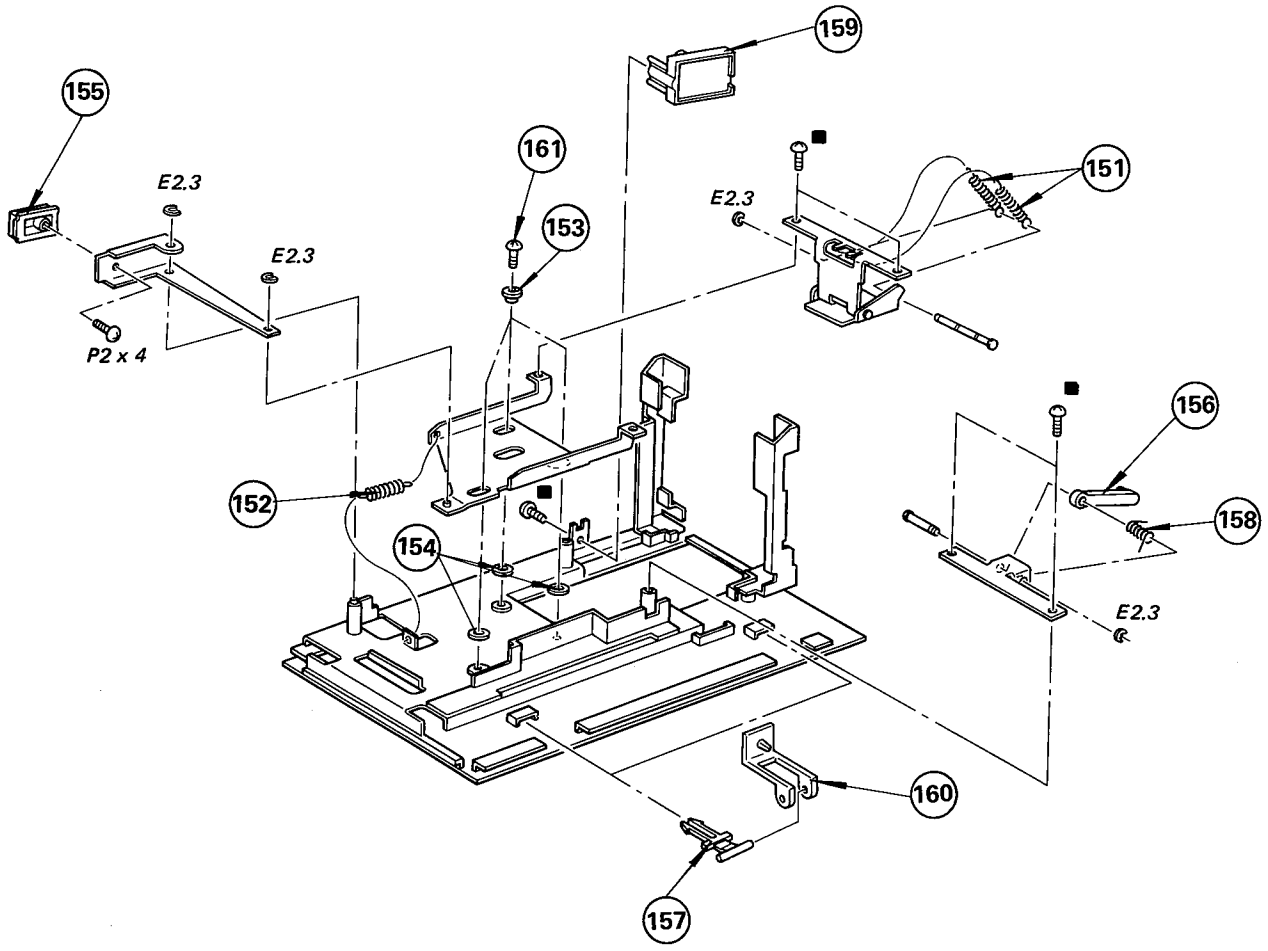
4. CHASSIS



No.	Part No	Description	Remark
151	3-535-619-00	SPRING, TENSION	
152	2-245-509-11	HOLDER, CORD	
153	♦:4-353-253-00	SPACER, RELEASE LEVER	
154	3-701-443-21	WASHER, 5	
155	4-344-224-00	BUTTON, RELEASE	
156	♦:4-353-210-00	ARM	
157	♦:4-337-420-00	SHAFT	
158	4-353-256-00	SPRING	
159	⚠1-226-882-21	RESISTOR, HIGH-VOLTAGE	
160	♦:4-353-255-00	BRACKET, PC BOARD	
161	3-701-809-31	TERMINAL SCREW 3X8	

NOTE:
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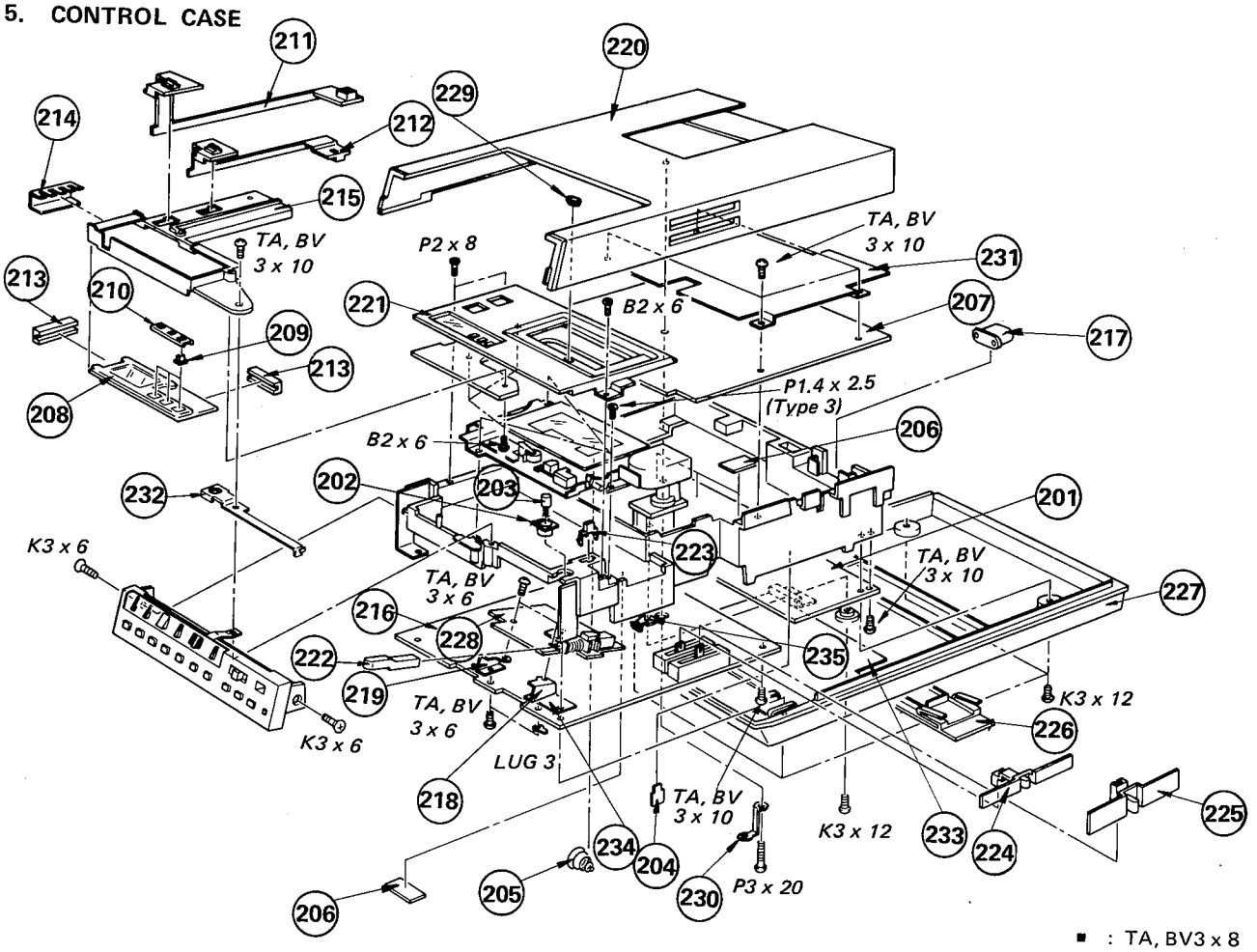
5. CONTROL CASE


TA, BV 3 x 10
P2 x 8
B2 x 6
TA, BV 3 x 10
P1.4 x 2.5 (Type 3)
B2 x 6
K3 x 6
TA, BV 3 x 6
TA, BV 3 x 10
K3 x 12
TA, BV 3 x 6
K3 x 6
LUG 3
TA, BV 3 x 10
K3 x 12
P3 x 20
■ : TA, BV3 x 8
● : TA, BV3 x 12

No.	Part No	Description	Remark
201	♦:A-1265-015-A	W BOARD, COMPLETE	
202	3-574-761-00	HOLDER, MICROPHONE	
203	8-814-189-00	MICROPHONE, BUILT-IN (C-1007A)	
204	2-272-906-00	TERMINAL (B), BATTERY	
205	2-272-907-00	SPRING (A)	
206	9-911-837-XX	CUSHION, FILTER	
207	♦:A-1266-009-A	Y BOARD, COMPLETE	
208	1-548-544-00	COUNTER, TAPE	
209	4-353-268-00	BUTTON, M	
210	♦:3-574-766-00	RETAINER, BUTTON, C	
211	X-4353-201-0	KNOB (C) ASSY, SLIDE	
212	X-4353-202-0	KNOB (D) ASSY, SLIDE	
213	4-353-239-00	CONTACT, RUBBER	
214	4-353-267-00	SPRING	
215	♦:4-353-278-00	HOLDER, L.C.D	
216	♦:A-1316-015-A	G BOARD, COMPLETE	
217	1-507-559-00	SOCKET, DC	
218	♦:4-353-233-00	BRACKET (RIGHT), PC BOARD	

No.	Part No	Description	Remark
219	♦:4-353-234-00	BRACKET (LEFT), PC BOARD	
220	X-4353-205-0	CASE ASSY, CONTROL	
221	X-4353-206-0	ORNAMENT ASSY, TC	
222	4-353-217-00	KNOB, POWER	
223	4-353-218-00	BUTTON, EJ	
224	♦:4-353-226-00	HOLDER (A), CONTROL KNOB	
225	♦:4-353-227-00	HOLDER (B), CONTROL KNOB	
226	4-353-280-00	LID, BATTERY CASE	
227	4-353-302-00	COVER, CONTROL	
228	♦:1-605-128-00	J3 BOARD	
229	3-579-767-11	ORNAMENT, HOLE, ADJUSTMENT	
230	4-353-319-01	CONTACT PLATE (A)	
231	4-353-325-01	SHIELD SHEET (A)	
232	4-353-324-01	CONTACT PLATE (C)	
233	4-353-326-01	SHIELD SHEET (B)	
234	4-353-321-01	CONTACT SHEET	
235	4-353-320-01	CONTACT PLATE (B)	

NOTE:
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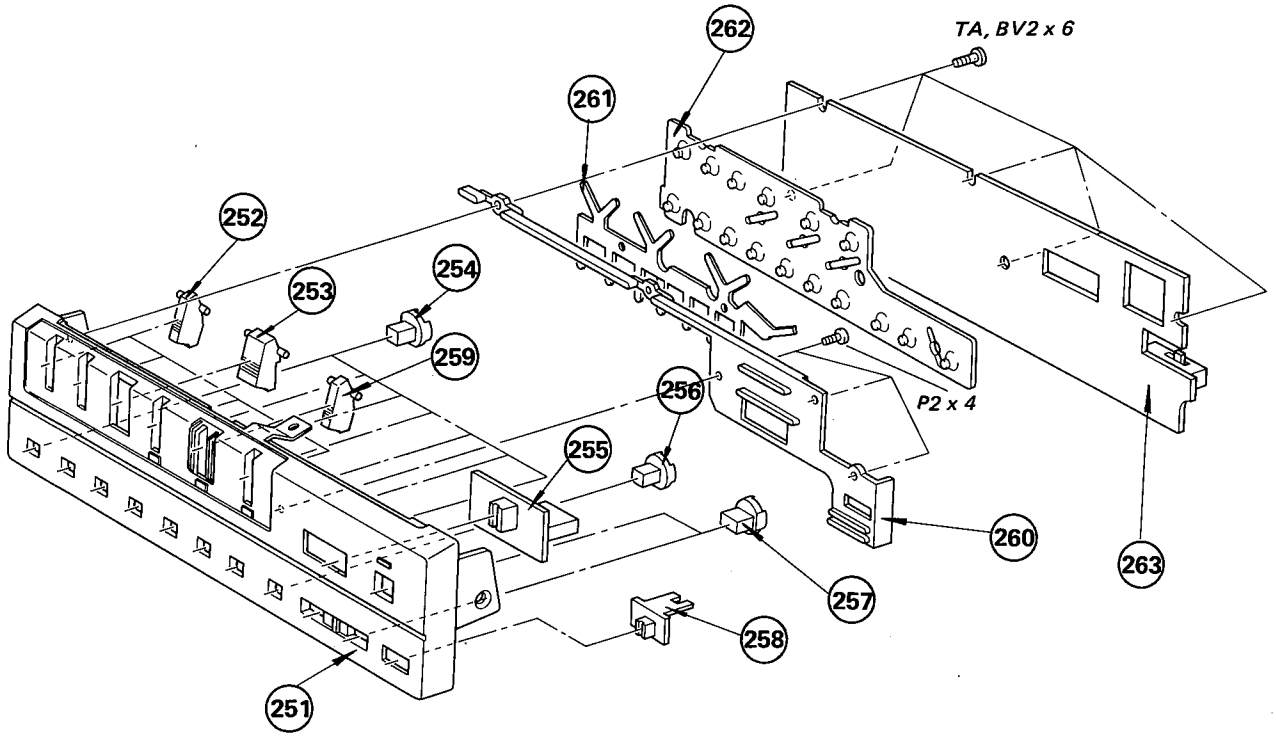
6. CONTROL BLOCK



No.	Part No	Description	Remark
251	X-4353-204-0	PANEL ASSY, CONTROL	
252	4-353-221-00	PUSH BUTTON (C)	
253	4-353-222-00	PUSH BUTTON (D)	
254	4-353-219-01	PUSH BUTTON (A)	
255	4-353-224-00	KNOB (B), SLIDE	
256	4-353-219-11	PUSH BUTTON (A)	
257	4-353-220-00	PUSH BUTTON (B)	
258	4-353-223-00	KNOB (A), SLIDE	
259	4-353-221-11	PUSH BUTTON (C)	
260	♦:4-353-277-00	HOLDER, KNOB	
261	4-353-279-00	FOIL, CONTACT	
262	4-353-295-00	SHEET, RUBBER	
263	♦:1-605-142-00	JN BOARD	

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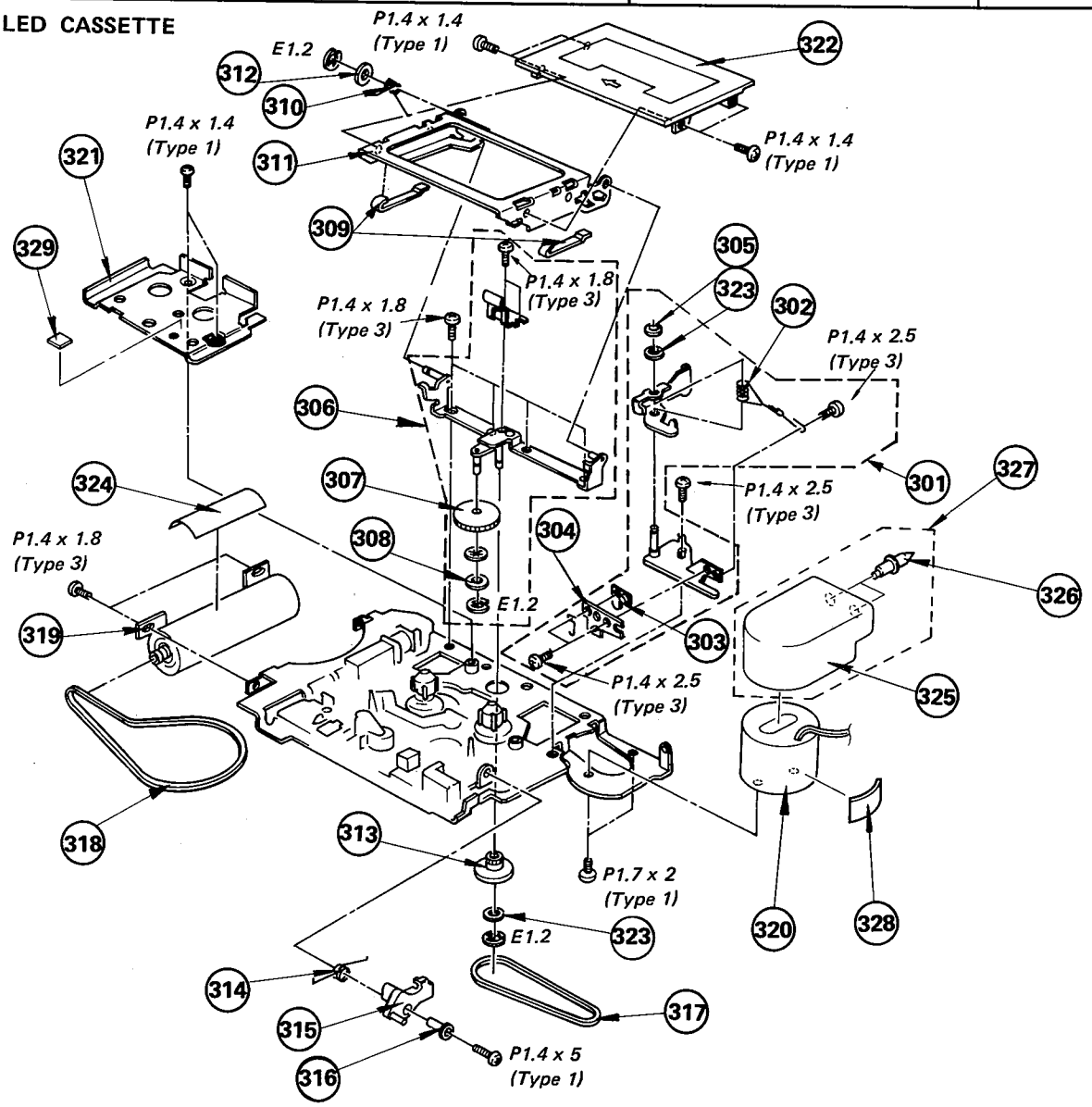
7. LED CASSETTE



No.	Part No	Description	Remark
301	A-3036-455-A	REC BLOCK ASSY	302,303,304, 305,323
302	3-574-719-00	SPRING	
303	♦:3-574-794-00	PLATE (C), NUT	
304	♦:3-574-795-00	CHIP, INSULATION	
305	3-570-615-00	POLY-WASHER (DIA.1.2)	
306	A-3036-454-A	PLATE ASSY, GUIDE	307,308
307	3-574-626-00	GEAR (B), FR	
308	3-701-436-11	WASHER, 1.6	
309	3-574-717-00	SPRING (B)	
310	3-574-718-00	SPRING	
311	3-574-730-00	HOLDER, CASSETTE	
312	3-701-436-21	WASHER, POLYETHYLENE	
313	3-574-628-00	PULLEY, FR	
314	3-574-676-00	SPRING	
315	3-574-729-00	CLAW, LOCK, CH	
316	3-574-681-00	SHAFT, LOCK CLAW, CH	
317	3-574-708-00	BELT, FR	
318	3-574-710-00	BELT, CAPSTAN	
319	8-835-008-11	MOTOR MNF-1600B	
320	8-835-034-01	MOTOR, DC (DNR-3200A)	
321	♦:3-574-706-00	PLATE, ORNAMENTAL	
322	X-3574-624-2	LID ASSY, CASSETTE	
323	3-701-436-01	WASHER, 1.6	
324	3-831-441-XX	CUSHION	
325	♦:4-353-317-00	COVER, SHIELD, MOTOR	
326	1-231-361-00	FILTER	
327	A-1499-222-A	FILTER ASSY	325,326
328	3-831-441-XX	CUSHION	
329	9-911-863-XX	SHEET	

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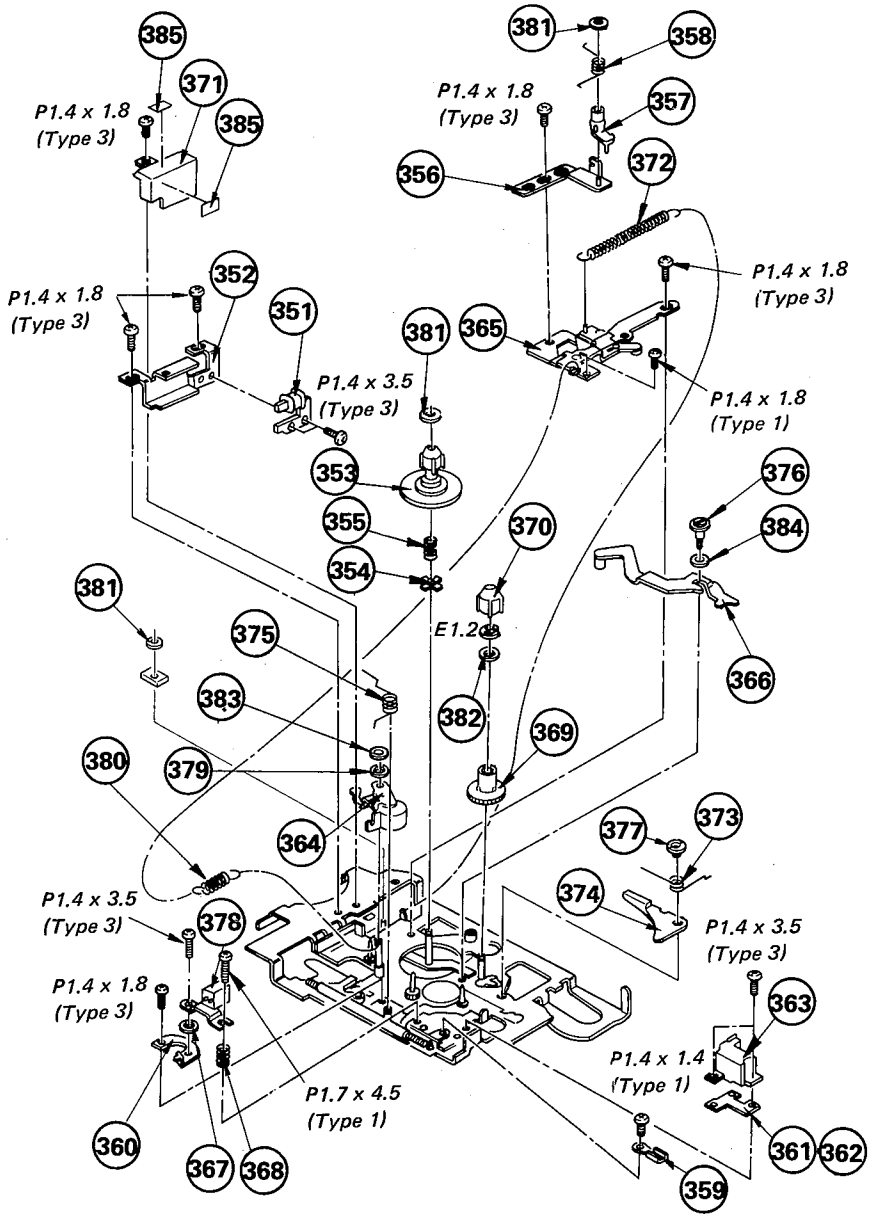
8. REEL



No.	Part No	Description	Remark
351	1-454-257-00	SOLENOID, PLUNGER	
352	♦:3-574-685-00	CHASSIS, EM	
353	X-3574-603-0	REEL ASSY, T	
354	3-574-625-00	WASHER, TR	
355	3-574-715-00	SPRING, COMPRESSION	
356	♦:X-3574-606-0	TABLE ASSY, ARM, SF	
357	3-574-619-00	ARM, SF	
358	3-574-671-00	SPRING	
359	♦:3-547-686-00	CLAMP (B), WIRE	
360	3-574-622-00	SPACER, HD	
361	♦:3-574-702-01	PLATE, ADJUSTMENT, EH	
362	♦:3-574-702-11	PLATE, ADJUSTMENT, EH	
363	8-825-726-50	HEAD (EP209-62)	
364	X-3574-611-0	PINCH ROLLER ASSY	
365	X-3574-615-0	CHASSIS ASSY, TRIGGER	
366	♦:X-3574-619-0	ARM ASSY, TRIGGER	
367	2-035-384-00	WASHER, (C)	
368	3-570-558-00	SPRING, COMPRESSION	

No.	Part No	Description	Remark
369	3-574-624-00	GEAR, SR	
370	3-574-627-00	CLAW (S), REEL	
371	♦:3-574-664-00	COVER, DUST	
372	3-574-728-00	SPRING, TENSION	
373	3-574-801-00	SPRING	
374	3-574-799-00	ARM, BRAKE	
375	3-574-672-00	SPRING	
376	3-574-723-00	GUIDE, ARM, TRIGGER	
377	3-574-800-00	SHAFT, BRAKE ARM	
378	8-829-375-00	HEAD , (SMALLTYPE)	
379	3-701-436-01	WASHER, 1.6	
380	3-574-668-00	SPRING, TENSION	
381	3-559-408-00	POLY-WASHER, 1.2 DIA	
382	3-574-822-00	WASHER, POLY, DIA.1.2	
383	3-570-615-00	POLY-WASHER (DIA.1.2)	
384	3-489-109-00	WASHER, NYLON	
385	3-831-441-XX	CUSHION, STOPPER	

NOTE:
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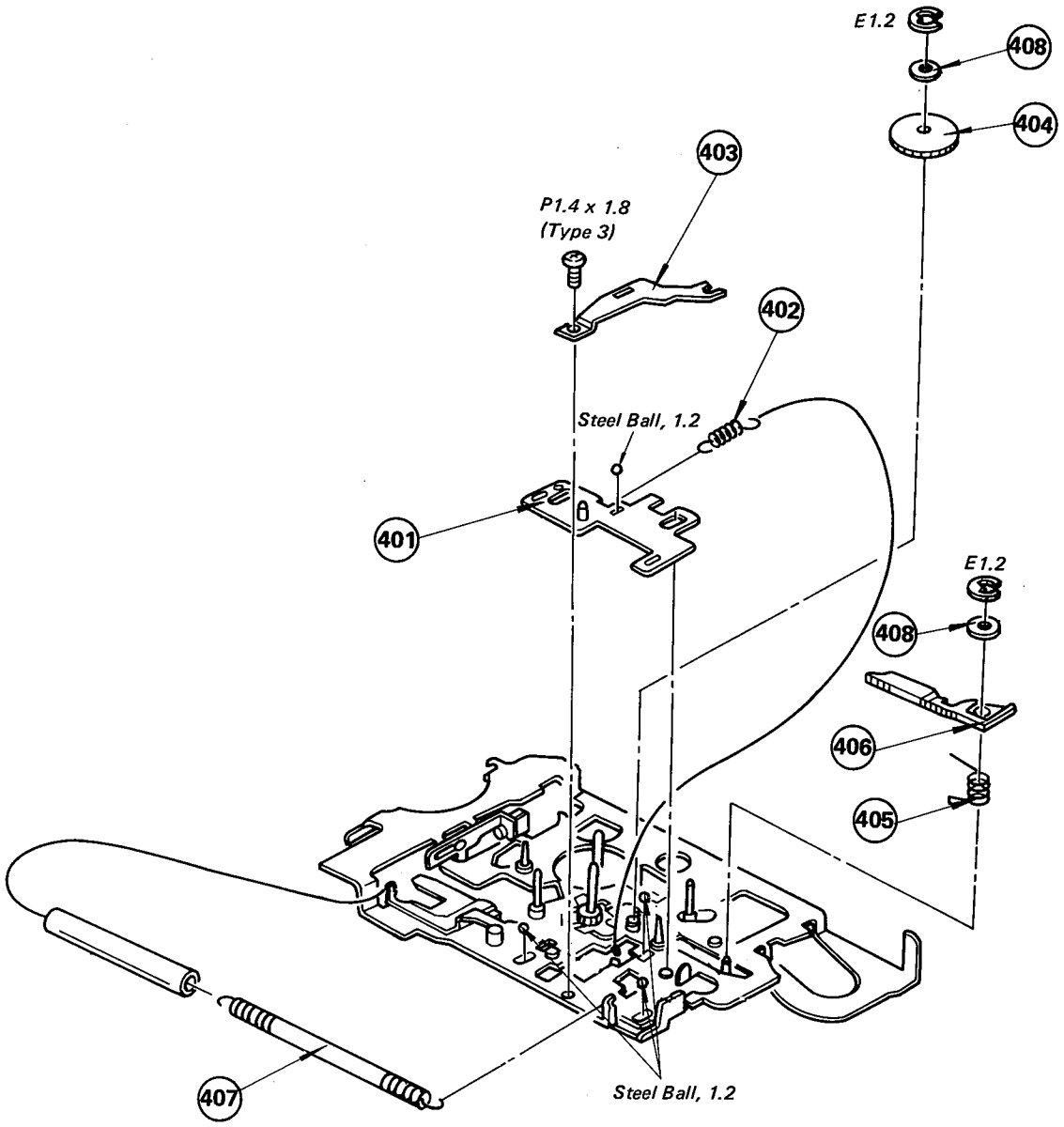
9. HEAD CHASSIS



No.	Part No	Description	Remark
401	X-3574-604-0	CHASSIS ASSY, HEAD	
402	3-574-666-00	SPRING, TENSION	
403	♦:3-574-610-00	SPRING	
404	3-574-616-00	GEAR, MAIN	
405	3-574-697-00	SPRING	
406	3-574-709-00	ARM, SET-UP	
407	3-574-712-00	SPRING, TENSION	
408	3-701-436-01	WASHER, 1.6	

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- As to the part numbered with E-, refer to the electrical parts list.
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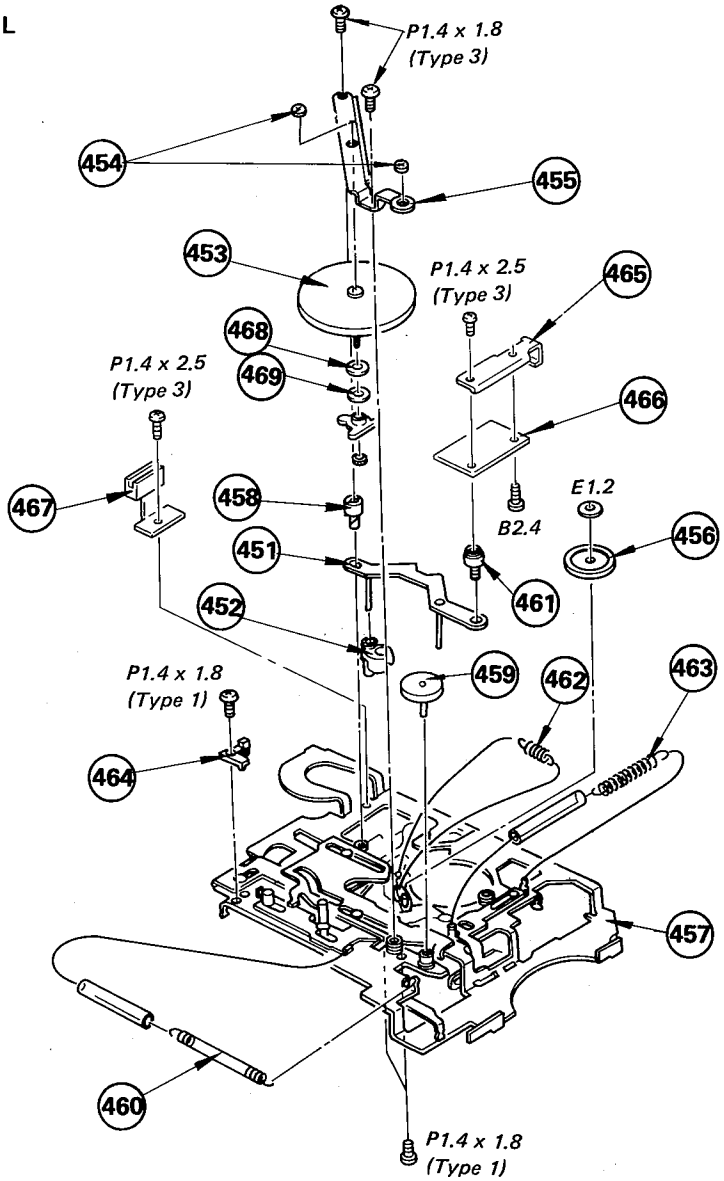
The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

10. FLYWHEEL



No.	Part No	Description	Remark
451	X-3574-607-0	BRACKET ASSY, REEL	
452	3-574-690-00	COVER, PHOTO	
453	A-3036-453-A	FLYWHEEL ASSY	468,469
454	3-547-625-00	SCREW, THRUST ADJUST	
455	♦:3-574-615-00	PLATE, THRUST	
456	X-3574-605-0	IDLER ASSY, T	
457	♦:X-3574-621-0	CHASSIS ASSY, MECHANISM	
458	3-574-655-00	SHAFT (B), THRUST	
459	♦:3-574-665-00	FLY, REVERSE	
460	3-574-667-00	SPRING, TENSION	
461	3-574-692-00	SCREW, PC BOARD	
462	3-574-670-00	SPRING, TENSION	
463	3-574-713-00	SPRING, TENSION	
464	3-574-725-00	PLATE, ABSORBENT, ACOUSTIC	
465	♦:4-353-241-00	BRACKET, SWITCH	
466	♦:1-605-129-00	J4 BOARD	
467	♦:4-353-318-00	CLAMP, LEAD, HEAD	
468	3-701-436-01	WASHER, 1.6	
469	3-701-436-11	WASHER, 1.6	

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SECTION 6
ELECTRICAL PARTS LIST

W

Ref.No	Part No	Description			Remark
♦	A-1265-015-A	W BOARD, COMPLETE			
		**********			
♦	1-555-941-00	CONNECTOR ASSY (2.0MM) 2P			
♦	3-847-723-00	PIN, LEAD			
♦	4-353-312-00	CASE, SHIELD (W) (A)			
♦	4-353-313-00	CASE, SHIELD (MAIN) (W) (B)			
♦	4-353-314-00	LID (W) (B), SHIELD CASE			
♦	4-353-315-00	PLATE, SHIELD			
♦	4-353-316-00	INSULATOR, SHIELD			
♦	4-353-322-00	PLATE (W) (A), SHIELD			
♦	4-353-323-00	INSULATOR, PLATE(W)(A), SHIELD			
		CAPACITOR			
C1	1-101-001-00	CERAMIC	0.001MF		50V
C2	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C3	1-101-003-00	CERAMIC	0.0047MF		50V
C4	1-161-032-00	CERAMIC	0.01MF	20%	25V
C5	1-161-032-00	CERAMIC	0.01MF	20%	25V
C6	1-123-613-00	ELECT	3.3MF	20%	50V
C7	1-161-032-00	CERAMIC	0.01MF	20%	25V
C8	1-123-617-00	ELECT	10MF	20%	16V
C9	1-123-607-00	ELECT	0.1MF	20%	50V
C10	1-161-032-00	CERAMIC	0.01MF	20%	25V
C11	1-131-347-00	TANTALUM	1MF	20%	16V
C12	1-123-611-00	ELECT	1MF	20%	50V
C13	1-101-001-00	CERAMIC	0.001MF		50V
C14	1-102-504-00	CERAMIC	4PF	0.25PF	50V
C15	1-161-032-00	CERAMIC	0.01MF	20%	25V
C16	1-161-032-00	CERAMIC	0.01MF	20%	25V
C17	1-101-004-00	CERAMIC	0.01MF		50V
C18	1-161-717-00	CERAMIC	390PF	5%	500V
C19	1-102-949-00	CERAMIC	12PF	5%	50V
C20	1-123-647-00	ELECT	47MF	20%	6.3V
C21	1-123-296-00	ELECT	220MF	20%	6.3V
C22	1-161-255-00	CERAMIC	4.7PF	10%	50V
C23	1-161-032-00	CERAMIC	0.01MF	20%	25V
C24	1-161-032-00	CERAMIC	0.01MF	20%	25V
C25	1-102-112-00	CERAMIC	330PF	10%	50V
C26	1-123-647-00	ELECT	47MF	20%	6.3V
C27	1-161-032-00	CERAMIC	0.01MF	20%	25V
C28	1-161-032-00	CERAMIC	0.01MF	20%	25V
C29	1-123-647-00	ELECT	47MF	20%	6.3V
C30	1-131-479-00	TANTALUM	0.047MF	20%	16V
C31	1-161-032-00	CERAMIC	0.01MF	20%	25V
C32	1-101-001-00	CERAMIC	0.001MF		50V
C33	1-102-947-00	CERAMIC	10PF	5%	50V
C34	1-102-951-00	CERAMIC	15PF	5%	50V
C35	1-161-032-00	CERAMIC	0.01MF	20%	25V
C36	1-102-949-00	CERAMIC	12PF	5%	50V
C37	1-102-937-00	CERAMIC	4PF	0.25PF	50V
C38	1-101-001-00	CERAMIC	0.001MF		50V
C39	1-123-647-00	ELECT	47MF	20%	6.3V
C40	1-102-936-00	CERAMIC	3PF	0.25PF	50V
C41	1-102-947-00	CERAMIC	10PF	5%	50V
C42	1-101-001-00	CERAMIC	0.001MF		50V
C43	1-123-613-00	ELECT	3.3MF	20%	50V
C44	1-101-001-00	CERAMIC	0.001MF		50V
C45	1-161-032-00	CERAMIC	0.01MF	20%	25V
C46	1-123-607-00	ELECT	0.1MF	20%	50V
C47	1-123-613-00	ELECT	3.3MF	20%	50V
C48	1-102-953-00	CERAMIC	18PF	5%	50V
C49	1-123-617-00	ELECT	10MF	20%	16V
C50	1-102-963-00	CERAMIC	33PF	5%	50V
C51	1-123-609-00	ELECT	0.33MF	20%	50V
C52	1-123-609-00	ELECT	0.33MF	20%	50V
C53	1-131-415-00	TANTALUM	0.68MF	20%	16V
C54	1-131-415-00	TANTALUM	0.68MF	20%	16V
C55	1-123-607-00	ELECT	0.1MF	20%	50V
C56	1-131-479-00	TANTALUM	0.047MF	20%	16V
C57	1-123-607-00	ELECT	0.1MF	20%	50V
C58	1-161-033-00	CERAMIC	0.015MF	20%	25V
C59	1-102-973-00	CERAMIC	100PF	5%	50V
C60	1-123-647-00	ELECT	47MF	20%	6.3V
C61	1-123-611-00	ELECT	1MF	20%	50V
C62	1-131-451-00	TANTALUM	0.1MF	20%	16V
C63	1-102-973-00	CERAMIC	100PF	5%	50V
C64	1-101-003-00	CERAMIC	0.0047MF		50V
C65	1-131-422-00	TANTALUM	3.3MF	20%	6.3V
C66	1-123-607-00	ELECT	0.1MF	20%	50V
C67	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C68	1-101-003-00	CERAMIC	0.0047MF		50V
C69	1-161-032-00	CERAMIC	0.01MF	20%	25V
C70	1-101-001-00	CERAMIC	0.001MF		50V
C71	1-101-880-00	CERAMIC	47PF	5%	50V
C72	1-102-963-00	CERAMIC	33PF	5%	50V
C73	1-131-347-00	TANTALUM	1MF	20%	16V
C74	1-101-004-00	CERAMIC	0.01MF		50V
C75	1-101-001-00	CERAMIC	0.001MF		50V
		FILTER			
CF1	1-527-795-71	FILTER, CERAMIC			
CF2	1-527-795-71	FILTER, CERAMIC			
CFU	1-527-481-00	FILTER, CERAMIC			
		TRIMER			
CT1	1-141-203-00	CAP, TRIMER 10PF			
CT2	1-141-203-00	CAP, TRIMER 10PF			
		DIODE			
D1	8-712-540-00	DIODE 1T25-4			
D2	8-712-540-00	DIODE 1T25-4			
D3	8-719-026-11	DIODE 1T261			
D4	8-719-026-11	DIODE 1T261			
D5	8-719-923-64	DIODE KV1236			
D6	=>8-719-422-21	DIODE 1T22AM			
D7	8-719-911-19	DIODE 1SS119			

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CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

W

Ref.No	Part No	Description	Remark
D8	8-719-901-21	DIODE MV-12NV	
D9	8-719-911-19	DIODE 1SS119	
D10	8-719-911-19	DIODE 1SS119	
D11	8-719-911-19	DIODE 1SS119	
D12	8-719-111-07	DIODE RD11E-B	
D13	8-719-026-11	DIODE 1T261	
D14	8-719-911-19	DIODE 1SS119	
D15	8-719-911-19	DIODE 1SS119	
D16	8-719-911-19	DIODE 1SS119	
		IC	
IC1	8-759-110-17	IC UPC1018C-F	
IC2	8-759-155-21	IC UPB552C	
IC3	=>8-759-907-76	IC CX-775B	
		TRANSFORMER	
IFT-1	1-404-191-00	TRANSFORMER, IF	
IFT-2	1-404-126-00	IFT (SMALL TYPE)	
IFT-3	1-404-032-00	TRANSFORMER, DISCRIMINATOR	
IFT-4	1-404-022-00	COIL, AM IFT	
		COIL	
L1	1-459-271-00	COIL, WITH CORE (RF)	
L2	1-408-068-00	MICRO INDUCTOR 33UH	
L3	1-405-746-00	COIL, WITH CORE	
L4	1-401-806-00	ANTENNA, FERRITE-ROD	
L5	1-405-866-00	COIL, OSCILLATOR (MW)	
L6	1-405-865-00	COIL, OSCILLATOR	
L7	1-408-096-00	MICRO INDUCTOR 470UH	
L8	1-408-068-00	MICRO INDUCTOR 33UH	
L9	1-408-096-00	MICRO INDUCTOR 470UH	
		TRANSISTOR	
Q1	8-765-401-00	TRANSISTOR 2SC2212	
2	=>8-729-806-84	TRANSISTOR 2SC668-SP	
Q3	=>8-729-806-84	TRANSISTOR 2SC668-SP	
Q4	8-725-923-00	TRANSISTOR 2SC1129	
Q5	=>8-729-178-56	TRANSISTOR 2SC2785	
Q6	=>8-729-178-56	TRANSISTOR 2SC2785	
Q7	8-729-305-42	TRANSISTOR 2SK54-C	
Q8	=>8-729-178-56	TRANSISTOR 2SC2785	
Q9	=>8-729-178-56	TRANSISTOR 2SC2785	
Q10	=>8-729-117-54	TRANSISTOR 2SA1175	
Q11	=>8-729-178-56	TRANSISTOR 2SC2785	
Q12	=>8-729-178-56	TRANSISTOR 2SC2785	
Q13	8-761-622-00	TRANSISTOR 2SC1636	
		RESISTOR	
R1	1-246-795-00	CARBON 10K 1/8W	
R2	1-247-046-00	CARBON 270K 1/8W	
R3	1-246-777-00	CARBON 330 1/8W	
R4	1-246-762-00	CARBON 18 1/8W	
R5	1-246-777-00	CARBON 330 1/8W	
R6	1-246-809-00	CARBON 150K 1/8W	
R7	1-246-783-00	CARBON 1K 1/8W	
R8	1-246-777-00	CARBON 330 1/8W	
R9	1-246-775-00	CARBON 220 1/8W	
R10	1-246-783-00	CARBON 1K 1/8W	
R11	1-246-783-00	CARBON 1K 1/8W	
R12	1-246-793-00	CARBON 6.8K 1/8W	
R13	1-246-793-00	CARBON 6.8K 1/8W	
R14	1-246-792-00	CARBON 5.6K 1/8W	
R15	1-247-053-00	CARBON 1M 1/8W	
R16	1-246-797-00	CARBON 15K 1/8W	
R17	1-246-799-00	CARBON 22K 1/8W	
R18	1-246-773-00	CARBON 150 1/8W	
R19	1-246-784-00	CARBON 1.2K 1/8W	
R20	1-246-806-00	CARBON 82K 1/8W	
R21	1-246-803-00	CARBON 47K 1/8W	
R23	1-246-780-00	CARBON 560 1/8W	
R24	1-246-771-00	CARBON 100 1/8W	
R25	1-246-807-00	CARBON 100K 1/8W	
R26	1-246-792-00	CARBON 5.6K 1/8W	
R27	1-247-047-00	CARBON 330K 1/8W	
R28	1-246-788-00	CARBON 2.7K 1/8W	
R29	1-246-777-00	CARBON 330 1/8W	
R30	1-246-497-00	CARBON 10K 5% 1/4W	
R31	1-246-783-00	CARBON 1K 1/8W	
R32	1-246-433-00	CARBON 22 5% 1/4W	
R33	1-246-783-00	CARBON 1K 1/8W	
R34	1-246-792-00	CARBON 5.6K 1/8W	
R35	1-246-795-00	CARBON 10K 1/8W	
R36	1-246-803-00	CARBON 47K 1/8W	
R37	1-246-795-00	CARBON 10K 1/8W	
R38	1-246-783-00	CARBON 1K 1/8W	
R39	1-246-799-00	CARBON 22K 1/8W	
R40	1-246-811-00	CARBON 220K 1/8W	
R41	1-246-809-00	CARBON 150K 1/8W	
R42	1-247-053-00	CARBON 1M 1/8W	
R43	1-246-803-00	CARBON 47K 1/8W	
R44	1-246-803-00	CARBON 47K 1/8W	
R45	1-246-803-00	CARBON 47K 1/8W	
R46	1-246-425-00	CARBON 10 5% 1/4W	
R47	1-246-789-00	CARBON 3.3K 1/8W	
R48	1-246-795-00	CARBON 10K 1/8W	
R49	1-246-801-00	CARBON 33K 1/8W	
R50	1-246-783-00	CARBON 1K 1/8W	
R51	1-246-799-00	CARBON 22K 1/8W	
R52	1-246-795-00	CARBON 10K 1/8W	
R53	1-246-795-00	CARBON 10K 1/8W	
R54	1-246-804-00	CARBON 56K 1/8W	
R55	1-246-782-00	CARBON 820 1/8W	
R56	1-246-789-00	CARBON 3.3K 1/8W	
R57	1-246-806-00	CARBON 82K 1/8W	
R58	1-246-803-00	CARBON 47K 1/8W	
R59	1-246-807-00	CARBON 100K 1/8W	

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- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

Ref.No	Part No	Description				Remark
R60	1-246-780-00	CARBON	560	1/8W		
R61	1-246-866-00	CARBON	75K	1/8W		
R62	1-246-807-00	CARBON	100K	1/8W		
R63	1-246-793-00	CARBON	6.8K	1/8W		
R64	1-246-797-00	CARBON	15K	1/8W		
R65	1-246-799-00	CARBON	22K	1/8W		
R66	1-246-802-00	CARBON	39K	1/8W		
R67	1-246-807-00	CARBON	100K	1/8W		
R68	1-246-759-00	CARBON	10	1/8W		
R69	1-247-052-00	CARBON	820K	1/8W		
R70	1-246-808-00	CARBON	120K	1/8W		
R70	1-246-809-00	CARBON	150K	1/8W		
R70	1-246-868-00	CARBON	110K	1/8W		
R70	1-246-869-00	CARBON	130K	1/8W		
R70	1-246-870-00	CARBON	160K	1/8W		
R71	1-247-053-00	CARBON	1M	1/8W		
R72	1-246-807-00	CARBON	100K	1/8W		
R73	1-246-767-00	CARBON	47	1/8W		
R74	1-246-803-00	CARBON	47K	1/8W		
R75	1-246-803-00	CARBON	47K	1/8W		
R76	1-247-047-00	CARBON	330K	1/8W		
R77	1-247-053-00	CARBON	1M	1/8W		
R78	1-246-767-00	CARBON	47	1/8W		
		SWITCH				
S1	1-553-280-00	SWITCH, SLIDE				
		FILTER				
SFA	1-527-483-00	FILTER, CERAMIC				
		CONNECTOR				
W1	♦:1-560-456-00	PIN, CONNECTOR 2P				
W2	♦:1-560-470-00	PIN, CONNECTOR 8P				
W3	♦:1-560-472-00	PIN, CONNECTOR 12P				
		CRYSTAL				
X1	1-527-482-00	RADIATOR, CRYSTAL				
**********						
	♦:A-1266-009-A	Y BOARD, COMPLETE				
		**********				
	♦:3-538-856-00	PIN, LEAD				
		CAPACITOR				
C301	1-123-607-00	ELECT	0.1MF	20%	50V	
C302	1-123-617-00	ELECT	10MF	20%	16V	
C303	1-123-607-00	ELECT	0.1MF	20%	50V	
C304	1-123-617-00	ELECT	10MF	20%	16V	
C305	1-123-611-00	ELECT	1MF	20%	50V	
C306	1-123-612-00	ELECT	2.2MF	20%	50V	
C307	1-123-611-00	ELECT	1MF	20%	50V	

Ref.No	Part No	Description				Remark
C308	1-123-607-00	ELECT	0.1MF	20%	50V	
C309	1-123-298-00	ELECT	470MF	20%	6.3V	
C310	1-123-617-00	ELECT	10MF	20%	16V	
C311	1-123-296-00	ELECT	220MF	20%	6.3V	
C312	1-123-647-00	ELECT	47MF	20%	6.3V	
C313	1-123-618-00	ELECT	22MF	20%	6.3V	
C314	1-123-615-00	ELECT	4.7MF	20%	35V	
C315	1-102-074-00	CERAMIC	0.001MF	10%	50V	
C316	1-123-661-00	ELECT	100MF	20%	6.3V	
C317	1-102-123-00	CERAMIC	0.0033MF	10%	50V	
C318	1-123-610-00	ELECT	0.47MF	20%	50V	
C319	1-131-344-00	TANTALUM	0.33MF	10%	35V	
C320	1-108-239-00	MYLAR	0.01MF	10%	50V	
C321	1-123-615-00	ELECT	4.7MF	20%	35V	
C322	1-102-074-00	CERAMIC	0.001MF	10%	50V	
C323	1-102-074-00	CERAMIC	0.001MF	10%	50V	
C324	1-123-615-00	ELECT	4.7MF	20%	35V	
C325	1-123-618-00	ELECT	22MF	20%	6.3V	
C326	1-123-661-00	ELECT	100MF	20%	6.3V	
C327	1-123-608-00	ELECT	0.22MF	20%	50V	
C328	1-123-607-00	ELECT	0.1MF	20%	50V	
C329	1-123-617-00	ELECT	10MF	20%	16V	
C330	1-108-242-00	MYLAR	0.022MF	10%	50V	
C331	1-123-647-00	ELECT	47MF	20%	6.3V	
C332	1-108-242-00	MYLAR	0.022MF	10%	50V	
C333	1-108-358-00	MYLAR	0.018MF	10%	50V	
C334	1-108-239-00	MYLAR	0.01MF	10%	50V	
C335	1-102-115-00	CERAMIC	560PF	10%	50V	
C336	1-102-112-00	CERAMIC	330PF	10%	50V	
C337	1-123-617-00	ELECT	10MF	20%	16V	
C338	1-108-242-00	MYLAR	0.022MF	10%	50V	
C339	1-108-239-00	MYLAR	0.01MF	10%	50V	
C340	1-123-618-00	ELECT	22MF	20%	6.3V	
C341	1-123-607-00	ELECT	0.1MF	20%	50V	
C342	1-123-617-00	ELECT	10MF	20%	16V	
C343	1-108-353-00	MYLAR	0.0027MF	10%	50V	
C345	1-108-239-00	MYLAR	0.01MF	10%	50V	
C346	1-108-239-00	MYLAR	0.01MF	10%	50V	
C347	1-108-357-00	MYLAR	0.012MF	10%	50V	
C348	1-108-244-00	MYLAR	0.033MF	10%	50V	
C349	1-108-242-00	MYLAR	0.022MF	10%	50V	
C350	1-123-661-00	ELECT	100MF	20%	6.3V	
C351	1-123-647-00	ELECT	47MF	20%	6.3V	
C352	1-108-358-00	MYLAR	0.018MF	10%	50V	
C353	1-123-607-00	ELECT	0.1MF	20%	50V	
C354	1-123-617-00	ELECT	10MF	20%	16V	
C355	1-102-114-00	CERAMIC	470PF	10%	50V	
C356	1-123-607-00	ELECT	0.1MF	20%	50V	
C357	1-108-239-00	MYLAR	0.01MF	10%	50V	
C358	1-108-559-00	MYLAR	0.0015MF	5%	50V	
C401	1-108-239-00	MYLAR	0.01MF	10%	50V	
C402	1-102-074-00	CERAMIC	0.001MF	10%	50V	
C403	1-131-343-00	TANTALUM	0.22MF	10%	35V	

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RESISTORS
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COILS
- MMH : mH, UH : μH

Y

Ref.No	Part No	Description			Remark
C404	1-102-127-00	CERAMIC	0.0068MF	10%	50V
C405	1-123-615-00	ELECT	4.7MF	20%	35V
C406	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C407	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C408	1-102-074-00	CERAMIC	0.001MF	10%	50V
C409	1-131-199-00	TANTALUM	10MF	10%	16V
C410	1-131-214-00	TANTALUM	0.68MF	10%	35V
C411	1-123-611-00	ELECT	1MF	20%	50V
C412	1-123-615-00	ELECT	4.7MF	20%	35V
C413	1-123-647-00	ELECT	47MF	20%	6.3V
C414	1-123-661-00	ELECT	100MF	20%	6.3V
C415	1-123-661-00	ELECT	100MF	20%	6.3V
C416	1-123-296-00	ELECT	220MF	20%	6.3V
C417	1-123-296-00	ELECT	220MF	20%	6.3V
C418	1-123-296-00	ELECT	220MF	20%	6.3V
C419	1-123-612-00	ELECT	2.2MF	20%	50V
C420	1-123-612-00	ELECT	2.2MF	20%	50V
C422	1-101-004-00	CERAMIC	0.01MF		50V
C423	1-123-617-00	ELECT	10MF	20%	16V
C424	1-101-004-00	CERAMIC	0.01MF		50V

RECORD CIRCUIT UNIT

CP301	1-464-123-00	UNIT, RECORD CIRCUIT

MOTOR DRIVING CIRCUIT

CP401	1-464-121-00	CIRCUIT, MOTOR DRIVING
CP402	1-464-122-00	UNIT, SERVO CIRCUIT

DIODE

D301	8-719-911-19	DIODE 1SS119
D302	8-719-911-19	DIODE 1SS119
D303	8-719-911-06	DIODE 1SS106
D304	8-719-911-06	DIODE 1SS106
D305	8-719-911-19	DIODE 1SS119
D306	8-719-911-19	DIODE 1SS119
D307	8-719-911-19	DIODE 1SS119
D401	8-719-911-19	DIODE 1SS119
D402	8-719-911-19	DIODE 1SS119
D403	8-719-911-19	DIODE 1SS119
D404	8-719-911-19	DIODE 1SS119
D405	8-719-911-19	DIODE 1SS119
D406	8-719-911-19	DIODE 1SS119
D407	8-719-911-19	DIODE 1SS119
D408	8-719-911-19	DIODE 1SS119
D409	8-719-911-19	DIODE 1SS119
D410	8-719-911-19	DIODE 1SS119
D411	8-719-911-19	DIODE 1SS119
D412	8-719-911-19	DIODE 1SS119
D413	8-719-911-19	DIODE 1SS119
D414	8-719-911-19	DIODE 1SS119
D415	8-719-911-19	DIODE 1SS119
D416	8-719-911-19	DIODE 1SS119
D417	8-719-911-19	DIODE 1SS119

Ref.No	Part No	Description			Remark
		IC			
IC301	=>8-759-608-07	IC CX-807			
IC302	8-759-240-16	IC TC4016BP			
IC401	8-759-618-30	IC CX-830A			
IC402	8-751-830-02	IC CX-183			
		COIL			
L301	1-407-717-00	MICRO INDUCTOR 1MMH			
L302	1-407-717-00	MICRO INDUCTOR 1MMH			
L401	1-408-462-11	MICRO INDUCTOR 470UH			
L402	1-408-462-11	MICRO INDUCTOR 470UH			
		TRANSISTOR			
Q301	8-729-178-54	TRANSISTOR 2SC2785			
Q302	8-729-178-54	TRANSISTOR 2SC2785			
Q303	8-729-117-54	TRANSISTOR 2SA1175			
Q304	8-729-117-54	TRANSISTOR 2SA1175			
Q305	8-729-178-54	TRANSISTOR 2SC2785			
Q306	8-729-117-54	TRANSISTOR 2SA1175			
Q307	8-729-178-54	TRANSISTOR 2SC2785			
Q308	8-729-178-54	TRANSISTOR 2SC2785			
Q309	8-729-178-54	TRANSISTOR 2SC2785			
Q310	8-729-178-54	TRANSISTOR 2SC2785			
Q311	8-729-178-54	TRANSISTOR 2SC2785			
Q312	8-729-117-54	TRANSISTOR 2SA1175			
Q313	8-729-178-54	TRANSISTOR 2SC2785			
Q314	8-729-117-54	TRANSISTOR 2SA1175			
Q315	8-729-178-54	TRANSISTOR 2SC2785			
Q316	8-729-178-54	TRANSISTOR 2SC2785			
Q401	8-729-271-02	TRANSISTOR 2SC2710			
Q402	8-729-271-02	TRANSISTOR 2SC2710			
Q403	8-729-117-54	TRANSISTOR 2SA1175			
Q404	8-729-117-54	TRANSISTOR 2SA1175			
Q405	8-729-178-54	TRANSISTOR 2SC2785			
Q406	8-729-178-54	TRANSISTOR 2SC2785			
Q407	8-729-178-54	TRANSISTOR 2SC2785			
Q408	8-729-993-72	TRANSISTOR 2SA937			
Q409	8-729-993-72	TRANSISTOR 2SA937			
Q410	8-729-117-54	TRANSISTOR 2SA1175			
Q411	8-729-902-11	TRANSISTOR 2SC2021			
Q412	8-729-902-11	TRANSISTOR 2SC2021			
Q413	8-729-117-54	TRANSISTOR 2SA1175			
Q414	8-729-117-54	TRANSISTOR 2SA1175			
Q415	8-729-117-54	TRANSISTOR 2SA1175			
Q416	8-729-117-54	TRANSISTOR 2SA1175			
Q417	8-729-117-54	TRANSISTOR 2SA1175			
Q418	8-729-117-54	TRANSISTOR 2SA1175			
Q419	8-729-178-54	TRANSISTOR 2SC2785			
		RESISTOR			
R301	1-246-803-00	CARBON	47K		1/8W
R302	1-246-787-00	CARBON	2.2K		1/8W
R303	1-247-049-00	CARBON	470K		1/8W

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Ref.No	Part No	Description				Remark
R304	1-246-783-00	CARBON	1K		1/8W	
R305	1-246-803-00	CARBON	47K		1/8W	
R306	1-246-778-00	CARBON	390		1/8W	
R307	1-247-049-00	CARBON	470K		1/8W	
R308	1-246-783-00	CARBON	1K		1/8W	
R309	1-246-806-00	CARBON	82K		1/8W	
R310	1-246-806-00	CARBON	82K		1/8W	
R311	1-246-806-00	CARBON	82K		1/8W	
R312	1-246-806-00	CARBON	82K		1/8W	
R313	1-246-787-00	CARBON	2.2K		1/8W	
R314	1-246-773-00	CARBON	150		1/8W	
R315	1-246-801-00	CARBON	33K		1/8W	
R316	1-211-522-00	CARBON	100	5%	1/4W	F
R317	1-246-795-00	CARBON	10K		1/8W	
R318	1-246-769-00	CARBON	68		1/8W	
R319	1-246-783-00	CARBON	1K		1/8W	
R320	1-246-781-00	CARBON	680		1/8W	
R321	1-246-787-00	CARBON	2.2K		1/8W	
R322	1-246-792-00	CARBON	5.6K		1/8W	
R323	1-246-799-00	CARBON	22K		1/8W	
R324	1-246-795-00	CARBON	10K		1/8W	
R325	1-246-799-00	CARBON	22K		1/8W	
R326	1-246-766-00	CARBON	39		1/8W	
R327	1-246-841-00	CARBON	620		1/8W	
R328	1-247-049-00	CARBON	470K		1/8W	
R329	1-247-049-00	CARBON	470K		1/8W	
R330	1-246-795-00	CARBON	10K		1/8W	
R331	1-246-787-00	CARBON	2.2K		1/8W	
R332	1-246-783-00	CARBON	1K		1/8W	
R333	1-246-805-00	CARBON	68K		1/8W	
R334	1-247-049-00	CARBON	470K		1/8W	
R335	1-246-783-00	CARBON	1K		1/8W	
R336	1-246-778-00	CARBON	390		1/8W	
R337	1-246-792-00	CARBON	5.6K		1/8W	
R338	1-246-795-00	CARBON	10K		1/8W	
R339	1-246-771-00	CARBON	100		1/8W	
R340	1-246-799-00	CARBON	22K		1/8W	
R341	1-246-797-00	CARBON	15K		1/8W	
R342	1-246-792-00	CARBON	5.6K		1/8W	
R343	1-246-768-00	CARBON	56		1/8W	
R344	1-247-049-00	CARBON	470K		1/8W	
R345	1-246-788-00	CARBON	2.7K		1/8W	
R346	1-246-792-00	CARBON	5.6K		1/8W	
R347	1-246-795-00	CARBON	10K		1/8W	
R348	1-246-775-00	CARBON	220		1/8W	
R349	1-246-786-00	CARBON	1.8K		1/8W	
R350	1-246-783-00	CARBON	1K		1/8W	
R351	1-246-781-00	CARBON	680		1/8W	
R352	1-246-783-00	CARBON	1K		1/8W	
R353	1-247-049-00	CARBON	470K		1/8W	
R354	1-246-783-00	CARBON	1K		1/8W	
R355	1-246-801-00	CARBON	33K		1/8W	
R356	1-247-049-00	CARBON	470K		1/8W	
R357	1-246-786-00	CARBON	1.8K		1/8W	
R358	1-247-049-00	CARBON	470K		1/8W	
R359	1-246-789-00	CARBON	3.3K		1/8W	
R401	1-247-053-00	CARBON	1M		1/8W	
R402	1-214-141-00	METAL	2.4K	1%	1/4W	
R403	1-246-799-00	CARBON	22K		1/8W	
R404	1-246-804-00	CARBON	56K		1/8W	
R405	1-246-783-00	CARBON	1K		1/8W	
R406	1-246-773-00	CARBON	150		1/8W	
R407	1-246-809-00	CARBON	150K		1/8W	
R408	1-247-053-00	CARBON	1M		1/8W	
R409	1-246-799-00	CARBON	22K		1/8W	
R410	1-247-049-00	CARBON	470K		1/8W	
R411	1-247-053-00	CARBON	1M		1/8W	
R412	1-247-052-00	CARBON	820K		1/8W	
R413	1-247-053-00	CARBON	1M		1/8W	
R414	1-247-053-00	CARBON	1M		1/8W	
R415	1-246-807-00	CARBON	100K		1/8W	
R416	1-246-807-00	CARBON	100K		1/8W	
R417	1-246-795-00	CARBON	10K		1/8W	
R418	1-246-801-00	CARBON	33K		1/8W	
R419	1-246-766-00	CARBON	39		1/8W	
R420	1-246-807-00	CARBON	100K		1/8W	
R421	1-246-801-00	CARBON	33K		1/8W	
R422	1-246-799-00	CARBON	22K		1/8W	
R423	1-246-855-00	CARBON	9.1K		1/8W	
R424	1-246-792-00	CARBON	5.6K		1/8W	
R425	1-246-797-00	CARBON	15K		1/8W	
R426	1-246-784-00	CARBON	1.2K		1/8W	
R427	1-246-789-00	CARBON	3.3K		1/8W	
R428	1-246-759-00	CARBON	10		1/8W	
R429	1-246-775-00	CARBON	220		1/8W	
R430	1-246-790-00	CARBON	3.9K		1/8W	
R431	1-246-808-00	CARBON	120K		1/8W	
R432	1-246-783-00	CARBON	1K		1/8W	
R433	1-246-777-00	CARBON	330		1/8W	
R434	1-246-784-00	CARBON	1.2K		1/8W	
R435	1-246-797-00	CARBON	15K		1/8W	
R436	1-246-791-00	CARBON	4.7K		1/8W	
R437	1-247-049-00	CARBON	470K		1/8W	
R438	1-247-053-00	CARBON	1M		1/8W	
R440	1-247-053-00	CARBON	1M		1/8W	
R441	1-247-052-00	CARBON	820K		1/8W	
R442	1-246-787-00	CARBON	2.2K		1/8W	
R443	1-246-801-00	CARBON	33K		1/8W	
R444	1-246-795-00	CARBON	10K		1/8W	
R445	1-246-770-00	CARBON	82		1/8W	
R446	1-246-807-00	CARBON	100K		1/8W	
R447	1-246-807-00	CARBON	100K		1/8W	
R448	1-246-787-00	CARBON	2.2K		1/8W	
R449	1-246-801-00	CARBON	33K		1/8W	
R450	1-246-770-00	CARBON	82		1/8W	
R451	1-246-807-00	CARBON	100K		1/8W	

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COILS
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Y A

Ref.No	Part No	Description				Remark
R452	1-246-807-00	CARBON	100K		1/8W	
R453	1-246-795-00	CARBON	10K		1/8W	
R454	1-246-770-00	CARBON	82		1/8W	
R455	1-212-394-61	METAL	5.6	10%	1W	F
R456	1-246-807-00	CARBON	100K		1/8W	
R457	1-246-807-00	CARBON	100K		1/8W	
R458	1-246-795-00	CARBON	10K		1/8W	
R459	1-246-811-00	CARBON	220K		1/8W	
R460	1-246-795-00	CARBON	10K		1/8W	
		VARIABLE RESISTOR				
RV301	1-226-846-00	RES, ADJ, CARBON 470				
RV401	1-226-848-00	RES, ADJ, CARBON 2.2K				
RV402	1-226-846-00	RES, ADJ, CARBON 470				
		SWITCH				
S401	1-553-808-00	SWITCH, SLIDE				
S402	1-553-809-00	SWITCH, SLIDE				
		TRANSFORMER				
T301	1-405-960-00	COIL, OSCILLATOR				
		THERMISTOR				
TH401	1-800-202-XX	THERMISTOR S-10K				
		CONNECTOR				
Y1	♦:1-560-471-00	PIN, CONNECTOR 10P				
Y2	♦:1-560-471-00	PIN, CONNECTOR 10P				
Y3	♦:1-560-470-00	PIN, CONNECTOR 8P				
Y4	♦:1-560-469-00	PIN, CONNECTOR 6P				
Y5	♦:1-560-456-00	PIN, CONNECTOR 2P				
Y6	♦:1-560-456-00	PIN, CONNECTOR 2P				
**********						
	♦:A-1295-512-A	A BOARD, COMPLETE				
		**********				
	♦:3-847-723-00	PIN, LEAD				
	♦:4-344-222-00	BAND, TUNER				
	♦:4-353-263-00	CASE, SHIELD (MAIN), VIF				
	♦:4-353-264-00	LID, UPPER, SHIELD CASE, VIF				
		CAPACITOR				
C101	1-123-307-00	ELECT	100MF	20%	10V	
C102	1-102-121-00	CERAMIC	0.0022MF	10%	50V	
C103	1-131-347-00	TANTALUM	1MF	10%	35V	
C104	1-123-356-00	ELECT	10MF	20%	16V	
C105	1-102-121-00	CERAMIC	0.0022MF	10%	50V	
C106	1-108-381-00	MYLAR	0.022MF	10%	100V	
C107	1-123-356-00	ELECT	10MF	20%	16V	
C108	1-102-121-00	CERAMIC	0.0022MF	10%	50V	
C109	1-102-121-00	CERAMIC	0.0022MF	10%	50V	
C110	1-102-121-00	CERAMIC	0.0022MF	10%	50V	

Ref.No	Part No	Description			Remark
C201	1-123-308-00	ELECT	220MF	20%	10V
C202	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C203	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C204	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C205	1-131-343-00	TANTALUM	0.22MF	10%	35V
C206	1-102-942-00	CERAMIC	5PF	0.5PF	50V
C207	1-102-942-00	CERAMIC	5PF	0.5PF	50V
C208	1-102-525-00	CERAMIC	68PF	5%	50V
C209	1-102-525-00	CERAMIC	68PF	5%	50V
C210	1-102-510-00	CERAMIC	12PF	5%	50V
C211	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C212	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C213	1-123-379-00	ELECT	0.47MF	20%	50V
C214	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C215	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C216	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C217	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C218	1-123-298-00	ELECT	470MF	20%	6.3V
C219	1-102-977-00	CERAMIC	200PF	5%	50V
C220	1-102-112-00	CERAMIC	330PF	10%	50V
C221	1-123-298-00	ELECT	470MF	20%	6.3V
C222	1-102-977-00	CERAMIC	200PF	5%	50V
C223	1-101-880-00	CERAMIC	47PF	5%	50V
C224	1-101-880-00	CERAMIC	47PF	5%	50V
C225	1-123-306-00	ELECT	47MF	20%	10V
C231	1-123-332-00	ELECT	47MF	20%	16V
C232	1-123-356-00	ELECT	10MF	20%	16V
C233	1-123-380-00	ELECT	1MF	20%	50V
C234	1-102-114-00	CERAMIC	470PF	10%	50V
C235	1-102-106-00	CERAMIC	100PF	10%	50V
C236	1-102-114-00	CERAMIC	470PF	10%	50V
C237	1-101-004-00	CERAMIC	0.01MF		50V
C238	1-102-116-00	CERAMIC	680PF	10%	50V
C239	1-108-381-00	MYLAR	0.022MF	10%	100V
C240	1-102-106-00	CERAMIC	100PF	10%	50V
C251	1-123-308-00	ELECT	220MF	20%	10V
C252	1-101-004-00	CERAMIC	0.01MF		50V
C253	1-101-004-00	CERAMIC	0.01MF		50V
C254	1-102-668-00	CERAMIC	15PF	5%	50V
C255	1-123-356-00	ELECT	10MF	20%	16V
C256	1-123-379-00	ELECT	0.47MF	20%	50V
C257	1-108-379-00	MYLAR	0.015MF	10%	100V
C258	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C259	1-102-973-00	CERAMIC	100PF	5%	50V
C260	1-123-356-00	ELECT	10MF	20%	16V
C261	1-123-356-00	ELECT	10MF	20%	16V
C271	1-123-307-00	ELECT	100MF	20%	10V
C272	1-102-951-00	CERAMIC	15PF	5%	50V
C273	1-102-961-00	CERAMIC	27PF	5%	50V
C274	1-102-951-00	CERAMIC	15PF	5%	50V
C275	1-102-518-00	CERAMIC	33PF	5%	50V
C276	1-101-888-00	CERAMIC	68PF	5%	50V
C277	1-102-976-00	CERAMIC	180PF	5%	50V

NOTE:

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CAPACITORS
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RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

A

Ref.No	Part No	Description				Remark
C278	1-123-356-00	ELECT	10MF	20%	16V	
C279	1-102-965-00	CERAMIC	39PF	5%	50V	
C280	1-102-947-00	CERAMIC	10PF	5%	50V	
C281	1-123-379-00	ELECT	0.47MF	20%	50V	
C282	1-123-379-00	ELECT	0.47MF	20%	50V	
C283	1-123-356-00	ELECT	10MF	20%	16V	
C284	1-123-447-00	ELECT	0.22MF	20%	50V	
C285	1-123-330-00	ELECT	22MF	20%	16V	
C286	1-123-447-00	ELECT	0.22MF	20%	50V	
C287	1-101-888-00	CERAMIC	68PF	5%	50V	
C288	1-102-947-00	CERAMIC	10PF	5%	50V	
C289	1-102-959-00	CERAMIC	22PF	5%	50V	
C290	1-102-963-00	CERAMIC	33PF	5%	50V	
C291	1-102-113-00	CERAMIC	390PF	10%	50V	
C292	1-123-328-00	ELECT	4.7MF	20%	25V	
C293	1-123-328-00	ELECT	4.7MF	20%	25V	

FILTER

CF201	1-409-332-00	CERAMIC TRAP (4.5MHZ)
CF251	1-527-260-00	FILTER, CERAMIC (4.5MHZ)

TRIMMER

CV271	1-141-212-00	CAP, TRIMMER

DIODE

D101	8-712-600-00	DIODE 1T26
D102	8-712-600-00	DIODE 1T26
D201	8-719-911-19	DIODE 1SS119
D271	=>8-719-920-04	DIODE ERB12-04RK

IC

IC201	8-759-276-07	IC TA7607AP
IC251	8-759-610-95	IC CX-095E
IC271	=>8-759-125-56	IC CX-556B

JACK

J101	1-507-569-00	JACK, EARPHONE
J201	1-507-588-32	JACK, PIN, 1P
J202	1-507-588-32	PIN JACK, 1P
J251	1-507-569-00	JACK
J252	1-507-569-00	JACK

COIL

L101	1-408-397-00	MICRO INDUCTOR 1UH
L201	1-408-397-00	MICRO INDUCTOR 1UH
L202	1-404-280-00	COIL, DETECTOR
L203	1-404-280-00	COIL, DETECTOR
L204	1-408-410-00	MICRO INDUCTOR 12UH
L205	1-408-407-00	MICRO INDUCTOR 6.8UH
L206	1-408-407-00	MICRO INDUCTOR 6.8UH
L207	1-408-408-00	MICRO INDUCTOR 8.2UH
L208	1-408-413-00	MICRO INDUCTOR 22UH
L209	1-408-243-00	MICRO INDUCTOR 12MMH
L251	1-403-871-00	SIFT-2 COIL
L271	1-408-412-00	MICRO INDUCTOR 18UH
L272	1-408-420-00	MICRO INDUCTOR 82UH
L273	1-408-426-00	MICRO INDUCTOR 270UH
L274	1-408-418-00	MICRO INDUCTOR 56UH
L275	1-408-414-00	MICRO INDUCTOR 27UH
L276	1-408-414-00	MICRO INDUCTOR 27UH
L277	1-408-415-00	MICRO INDUCTOR 33UH
L278	1-408-418-00	MICRO INDUCTOR 56UH

SEPARATOR

LC101	1-417-060-00	SEPARATOR, UV

TRANSISTOR

Q201	8-725-800-00	TRANSISTOR 2SC1128
Q202	=>8-729-671-13	TRANSISTOR 2SC710-13
Q203	=>8-729-671-13	TRANSISTOR 2SC710-13
Q204	8-729-117-54	TRANSISTOR 2SA1175
Q205	8-729-902-11	TRANSISTOR 2SC2021
Q206	8-729-178-54	TRANSISTOR 2SC2785
Q207	8-729-117-54	TRANSISTOR 2SA1175
Q251	8-729-178-54	TRANSISTOR 2SC2785
Q252	8-729-178-54	TRANSISTOR 2SC2785
Q271	8-729-178-54	TRANSISTOR 2SC2785

RESISTOR

R101	1-211-933-00	CARBON	47	5%	1/8W	F
R102	1-246-783-00	CARBON	1K		1/8W	
R103	1-246-784-00	CARBON	1.2K		1/8W	
R201	1-211-401-00	CARBON	4.7	5%	1/8W	F
R202	1-246-769-00	CARBON	68		1/8W	
R203	1-246-792-00	CARBON	5.6K		1/8W	
R204	1-246-784-00	CARBON	1.2K		1/8W	
R205	1-246-778-00	CARBON	390		1/8W	
R206	1-246-765-00	CARBON	33		1/8W	
R207	1-247-052-00	CARBON	820K		1/8W	
R208	1-246-783-00	CARBON	1K		1/8W	
R209	1-246-775-00	CARBON	220		1/8W	
R210	1-246-803-00	CARBON	47K		1/8W	
R211	1-246-807-00	CARBON	100K		1/8W	
R212	1-246-783-00	CARBON	1K		1/8W	
R213	1-246-783-00	CARBON	1K		1/8W	
R214	1-246-811-00	CARBON	220K		1/8W	
R215	1-246-777-00	CARBON	330		1/8W	
R216	1-246-779-00	CARBON	470		1/8W	
R217	1-246-785-00	CARBON	1.5K		1/8W	
R218	1-246-792-00	CARBON	5.6K		1/8W	
R219	1-246-787-00	CARBON	2.2K		1/8W	
R220	1-246-788-00	CARBON	2.7K		1/8W	
R221	1-246-784-00	CARBON	1.2K		1/8W	
R222	1-246-778-00	CARBON	390		1/8W	
R223	1-246-830-00	CARBON	75		1/8W	
R224	1-246-778-00	CARBON	390		1/8W	

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COILS
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A M

Ref.No	Part No	Description				Remark
R225	1-246-768-00	CARBON	56		1/8W	
R226	1-246-783-00	CARBON	1K		1/8W	
R227	1-246-799-00	CARBON	22K		1/8W	
R228	1-246-801-00	CARBON	33K		1/8W	
R229	1-246-795-00	CARBON	10K		1/8W	
R230	1-246-788-00	CARBON	2.7K		1/8W	
R231	1-246-785-00	CARBON	1.5K		1/8W	
R232	1-246-787-00	CARBON	2.2K		1/8W	
R233	1-246-777-00	CARBON	330		1/8W	
R234	1-246-803-00	CARBON	47K		1/8W	
R235	1-247-047-00	CARBON	330K		1/8W	
R236	1-246-786-00	CARBON	1.8K		1/8W	
R237	1-246-785-00	CARBON	1.5K		1/8W	
R238	1-246-794-00	CARBON	8.2K		1/8W	
R239	1-246-783-00	CARBON	1K		1/8W	
R251	1-211-417-00	CARBON	22	5%	1/8W	F
R252	1-246-783-00	CARBON	1K		1/8W	
R253	1-246-795-00	CARBON	10K		1/8W	
R254	1-246-795-00	CARBON	10K		1/8W	
R255	1-246-797-00	CARBON	15K		1/8W	
R256	1-246-794-00	CARBON	8.2K		1/8W	
R257	1-246-789-00	CARBON	3.3K		1/8W	
R258	1-246-789-00	CARBON	3.3K		1/8W	
R259	1-246-787-00	CARBON	2.2K		1/8W	
R260	1-246-795-00	CARBON	10K		1/8W	
R261	1-246-795-00	CARBON	10K		1/8W	
R271	1-211-401-00	CARBON	4.7	5%	1/8W	F
R272	1-246-786-00	CARBON	1.8K		1/8W	
R273	1-246-786-00	CARBON	1.8K		1/8W	
R274	1-246-788-00	CARBON	2.7K		1/8W	
R275	1-246-781-00	CARBON	680		1/8W	
R276	1-246-783-00	CARBON	1K		1/8W	
R277	1-246-778-00	CARBON	390		1/8W	
R278	1-246-807-00	CARBON	100K		1/8W	
R279	1-247-053-00	CARBON	1M		1/8W	
R280	1-246-775-00	CARBON	220		1/8W	
R281	1-246-785-00	CARBON	1.5K		1/8W	
R282	1-246-783-00	CARBON	1K		1/8W	
R283	1-246-785-00	CARBON	1.5K		1/8W	
R284	1-246-786-00	CARBON	1.8K		1/8W	
R285	1-246-781-00	CARBON	680		1/8W	
R286	1-246-786-00	CARBON	1.8K		1/8W	
R287	1-246-782-00	CARBON	820		1/8W	
R288	1-246-786-00	CARBON	1.8K		1/8W	
R289	1-246-790-00	CARBON	3.9K		1/8W	

VARIABLE RESISTOR

RV201	1-226-850-00	RES, ADJ, CARBON 4.7K
RV271	1-226-851-00	RES, ADJ, CARBON 10K
RV272	1-226-857-00	RES, ADJ, CARBON 470K

FILTER

SF201	1-404-253-00	SAWF (45.75MHZ)

Ref.No	Part No	Description			Remark
		CRYSTAL			
X271	1-527-396-00	CRYSTAL, OSC			
**********					
♦	A-1306-140-A	M BOARD, COMPLETE			
		**********			
♦	3-847-723-00	PIN, LEAD			
		CAPACITOR			
C131	1-108-369-00	MYLAR	0.0022MF	10%	100V
C132	1-108-385-00	MYLAR	0.047MF	10%	100V
C133	1-102-112-00	CERAMIC	330PF	10%	50V
C134	1-102-965-00	CERAMIC	39PF	5%	50V
C135	1-102-074-00	CERAMIC	0.001MF	10%	50V
C136	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C137	1-123-306-00	ELECT	47MF	20%	10V
C138	1-108-377-00	MYLAR	0.01MF	10%	100V
C139	1-101-880-00	CERAMIC	47PF	5%	50V
C140	1-108-389-00	MYLAR	0.1MF	10%	100V
C141	1-102-973-00	CERAMIC	100PF	5%	50V
C142	1-102-973-00	CERAMIC	100PF	5%	50V
C143	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C144	1-108-385-00	MYLAR	0.047MF	10%	100V
C145	1-108-385-00	MYLAR	0.047MF	10%	100V
C146	1-123-356-00	ELECT	10MF	20%	16V
C147	1-123-328-00	ELECT	4.7MF	20%	25V
C148	1-108-369-00	MYLAR	0.0022MF	10%	100V
C149	1-123-344-00	ELECT	47MF	20%	35V
C150	1-123-380-00	ELECT	1MF	20%	50V
C151	1-123-447-00	ELECT	0.22MF	20%	50V
		DIODE			
D121	8-719-911-19	DIODE 1SS119			
D122	8-719-911-19	DIODE 1SS119			
D123	8-719-022-21	DIODE 1T22A			
D124	8-719-022-21	DIODE 1T22A			
D125	8-719-022-21	DIODE 1T22A			
D131	8-719-911-19	DIODE 1SS119			
D132	8-719-911-19	DIODE 1SS119			
D133	8-719-911-19	DIODE 1SS119			
D134	8-719-911-19	DIODE 1SS119			
D135	8-719-911-19	DIODE 1SS119			
D136	8-719-911-19	DIODE 1SS119			
D137	8-719-911-19	DIODE 1SS119			
D138	8-719-911-19	DIODE 1SS119			
D139	8-719-911-19	DIODE 1SS119			
D140	8-719-911-19	DIODE 1SS119			
D141	8-719-911-19	DIODE 1SS119			
D142	8-719-911-19	DIODE 1SS119			
D143	8-719-911-19	DIODE 1SS119			
D144	8-719-911-19	DIODE 1SS119			

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Ref.No	Part No	Description	Remark
D145	=>8-719-100-47	DIODE RD8.2E-B1	
D146	8-719-911-19	DIODE 1SS119	
D147	8-719-911-19	DIODE 1SS119	
D148	8-719-911-19	DIODE 1SS119	
D149	8-719-911-19	DIODE 1SS119	
D150	8-719-911-19	DIODE 1SS119	
D151	8-719-911-19	DIODE 1SS119	
D152	8-719-911-19	DIODE 1SS119	
D153	8-719-911-19	DIODE 1SS119	
D154	8-719-911-19	DIODE 1SS119	
D155	8-719-911-19	DIODE 1SS119	
D156	8-719-911-19	DIODE 1SS119	
IC			
IC131	=>8-759-240-01	IC TC4011BP	
IC132	=>8-759-240-01	IC TC4011BP	
IC133	=>8-759-240-01	IC TC4011BP	
IC134	=>8-759-140-01	IC UPD-4001BC	
IC135	8-759-157-40	IC UPC574J	
CONNECTOR			
M1	♦:1-560-469-00	PIN, CONNECTOR 6P	
M2	♦:1-560-456-00	PIN, CONNECTOR 2P	
M3	♦:1-560-472-00	PIN, CONNECTOR 12P	
M4	♦:1-560-465-00	PIN, CONNECTOR 12P	
TRANSISTOR			
Q121	8-729-117-54	TRANSISTOR 2SA1175	
Q122	8-729-178-54	TRANSISTOR 2SC2785	
Q123	8-729-117-54	TRANSISTOR 2SA1175	
Q124	8-729-178-54	TRANSISTOR 2SC2785	
Q131	8-729-178-54	TRANSISTOR 2SC2785	
Q132	8-729-178-54	TRANSISTOR 2SC2785	
Q133	8-729-113-32	TRANSISTOR 2SB733	
Q134	8-729-117-54	TRANSISTOR 2SA1175	
Q135	8-729-178-54	TRANSISTOR 2SC2785	
RESISTOR			
R121	1-246-783-00	CARBON 1K 1/8W	
R122	1-246-795-00	CARBON 10K 1/8W	
R123	1-211-415-00	CARBON 18 5% 1/8W	F
R124	1-246-453-00	CARBON 150 5% 1/4W	
R125	1-211-933-00	CARBON 47 5% 1/8W	F
R131	1-246-787-00	CARBON 2.2K 1/8W	
R132	1-246-787-00	CARBON 2.2K 1/8W	
R133	1-246-780-00	CARBON 560 1/8W	
R134	1-246-792-00	CARBON 5.6K 1/8W	
R135	1-246-791-00	CARBON 4.7K 1/8W	
R136	1-246-797-00	CARBON 15K 1/8W	
R137	1-247-053-00	CARBON 1M 1/8W	
R138	1-246-808-00	CARBON 120K 1/8W	
R139	1-246-807-00	CARBON 100K 1/8W	
R140	1-246-797-00	CARBON 15K 1/8W	
R141	1-246-795-00	CARBON 10K 1/8W	
R142	1-246-797-00	CARBON 15K 1/8W	
R143	1-246-793-00	CARBON 6.8K 1/8W	
R145	1-246-811-00	CARBON 220K 1/8W	
R146	1-246-803-00	CARBON 47K 1/8W	
R147	1-246-793-00	CARBON 6.8K 1/8W	
R148	1-246-796-00	CARBON 12K 1/8W	
R149	1-246-794-00	CARBON 8.2K 1/8W	
R150	1-246-797-00	CARBON 15K 1/8W	
R151	1-246-780-00	CARBON 560 1/8W	
R152	1-246-780-00	CARBON 560 1/8W	
R153	1-246-781-00	CARBON 680 1/8W	
R154	1-246-780-00	CARBON 560 1/8W	
R155	1-246-795-00	CARBON 10K 1/8W	
R156	1-246-795-00	CARBON 10K 1/8W	
R157	1-246-811-00	CARBON 220K 1/8W	
R158	1-246-795-00	CARBON 10K 1/8W	
R159	1-246-785-00	CARBON 1.5K 1/8W	
R161	1-246-449-00	CARBON 100 5% 1/4W	
R162	1-246-783-00	CARBON 1K 1/8W	
R163	1-246-799-00	CARBON 22K 1/8W	
R164	1-246-795-00	CARBON 10K 1/8W	
R165	1-246-807-00	CARBON 100K 1/8W	
R166	1-246-783-00	CARBON 1K 1/8W	
R167	1-246-803-00	CARBON 47K 1/8W	
R168	1-246-808-00	CARBON 120K 1/8W	
R169	1-246-799-00	CARBON 22K 1/8W	
R170	1-246-811-00	CARBON 220K 1/8W	
R171	1-246-787-00	CARBON 2.2K 1/8W	
R172	1-246-811-00	CARBON 220K 1/8W	
R173	1-246-807-00	CARBON 100K 1/8W	
R174	1-246-811-00	CARBON 220K 1/8W	
R175	1-246-811-00	CARBON 220K 1/8W	
R176	1-246-807-00	CARBON 100K 1/8W	
R177	1-246-801-00	CARBON 33K 1/8W	
R179	1-246-795-00	CARBON 10K 1/8W	
R180	1-247-052-00	CARBON 820K 1/8W	
R181	1-247-050-00	CARBON 560K 1/8W	
R182	1-246-803-00	CARBON 47K 1/8W	
R183	1-246-485-00	CARBON 3.3K 5% 1/4W	
R184	1-246-799-00	CARBON 22K 1/8W	
R185	1-246-790-00	CARBON 3.9K 1/8W	
R186	1-246-786-00	CARBON 1.8K 1/8W	
R187	1-246-795-00	CARBON 10K 1/8W	
R188	1-246-860-00	CARBON 24K 1/8W	
R189	1-246-811-00	CARBON 220K 1/8W	
R190	1-246-796-00	CARBON 12K 1/8W	
R191	1-246-869-00	CARBON 130K 1/8W	
R192	1-246-795-00	CARBON 10K 1/8W	
R193	1-246-803-00	CARBON 47K 1/8W	
R194	1-246-807-00	CARBON 100K 1/8W	
R195	1-246-804-00	CARBON 56K 1/8W	
R196	1-211-508-00	CARBON 27 5% 1/4W	F

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M G

Ref.No	Part No	Description			Remark
R198	1-246-807-00	CARBON	100K	1/8W	
R199	1-247-053-00	CARBON	1M	1/8W	
		VARIABLE RESISTOR			
RV131	1-226-851-00	RES, ADJ, CARBON 10K			
RV132	1-226-851-00	RES, ADJ, CARBON 10K			
RV133	1-226-851-00	RES, ADJ, CARBON 10K			
RV134	1-226-851-00	RES, ADJ, CARBON 10K			
RV135	1-226-851-00	RES, ADJ, CARBON 10K			
RV136	1-226-854-00	RES, ADJ, CARBON 100K			
RV137	1-226-853-00	RES, ADJ, CARBON 47K			
		TH			
TH131	1-800-071-XX	TH DIRECT-HEATING DISK S-300			
**********					
♦	A-1316-015-A	G BOARD, COMPLETE			
		**********			
	1-507-763-00	JACK 4P			
♦	1-555-705-00	CONNECTOR ASSY (2.5MM) 10P			
♦	1-555-906-00	CONNECTOR ASSY (2.0MM) 12P			
♦	1-555-909-00	CONNECTOR ASSY (2.0MM) 10P			
♦	1-555-911-00	CONNECTOR ASSY (2.0MM) 8P			
♦	1-555-913-00	CONNECTOR ASSY (2.0MM) 8P			
♦	1-555-915-00	CONNECTOR ASSY (2.0MM) 6P			
♦	1-555-940-00	CONNECTOR ASSY (2.0MM) 2P			
	4-023-455-00	PIECE, CONTACT			
	4-353-249-00	KNOB (F), SLIDE			
♦	4-353-269-00	HEAT SINK (A)			
♦	4-353-311-00	HEAT SINK (G)			
	4-353-320-00	PLATE (B), CONTACT			
		CAPACITOR			
C651	1-123-298-00	ELECT	470MF	20% 6.3V	
C652	1-123-296-00	ELECT	220MF	20% 6.3V	
C653	1-123-296-00	ELECT	220MF	20% 6.3V	
C654	1-123-295-00	ELECT	100MF	20% 6.3V	
C655	1-123-295-00	ELECT	100MF	20% 6.3V	
C656	1-108-239-00	MYLAR	0.01MF	10% 50V	
C657	1-123-622-00	ELECT	22MF	20% 16V	
C658	1-123-607-00	ELECT	0.1MF	20% 50V	
C659	1-108-239-00	MYLAR	0.01MF	10% 50V	
C660	1-108-239-00	MYLAR	0.01MF	10% 50V	
C661	1-101-001-00	CERAMIC	0.001MF	50V	
C662	1-101-003-00	CERAMIC	0.0047MF	50V	
C663	1-101-003-00	CERAMIC	0.0047MF	50V	
		DIODE			
D651	=>8-719-911-55	DIODE U05G			
D652	=>8-719-930-11	DIODE EQB01-11Z			
D653	8-719-911-19	DIODE 1SS119			
D654	8-719-911-19	DIODE 1SS119			

Ref.No	Part No	Description			Remark
D655	8-719-102-64	DIODE RD4.7EN1			
D656	=>8-719-920-04	DIODE ERB12-04RK			
D657	8-719-911-19	DIODE 1SS119			
D658	8-719-102-47	DIODE RD2.7EN1			
D659	8-719-000-24	THYRISTOR CR02AM-4			
D660	8-719-911-19	DIODE 1SS119			
D661	8-719-911-19	DIODE 1SS119			
D662	8-719-911-19	DIODE 1SS119			
D663	8-719-911-19	DIODE 1SS119			
		CONNECTOR			
G1	♦:1-560-465-00	PIN, CONNECTOR 12P			
G2	♦:1-560-463-00	PIN, CONNECTOR 8P			
G3	♦:1-560-456-00	PIN, CONNECTOR 2P			
		JACK			
J651	1-507-559-00	SOCKET, DC			
		COIL			
L651	1-407-187-XX	MICRO INDUCTOR 5.6UH			
L652	1-407-162-XX	MICRO INDUCTOR 27UH			
		TRANSISTOR			
Q651	=>8-729-316-16	TRANSISTOR 2SC1061			
Q652	8-729-117-54	TRANSISTOR 2SA1175			
Q653	8-729-993-72	TRANSISTOR 2SA937			
Q654	8-729-178-54	TRANSISTOR 2SC2785			
Q655	8-729-178-54	TRANSISTOR 2SC2785			
Q656	8-729-178-54	TRANSISTOR 2SC2785			
Q657	=>8-729-316-16	TRANSISTOR 2SC1061			
Q658	8-729-178-54	TRANSISTOR 2SC2785			
Q659	8-729-117-54	TRANSISTOR 2SA1175			
Q660	8-729-177-32	TRANSISTOR 2SD773			
Q661	8-729-117-54	TRANSISTOR 2SA1175			
Q662	8-729-117-54	TRANSISTOR 2SA1175			
Q663	8-729-117-54	TRANSISTOR 2SA1175			
Q664	8-729-117-54	TRANSISTOR 2SA1175			
Q665	8-729-178-54	TRANSISTOR 2SC2785			
Q666	8-729-178-54	TRANSISTOR 2SC2785			
Q667	8-729-117-54	TRANSISTOR 2SA1175			
Q668	8-729-117-54	TRANSISTOR 2SA1175			
Q669	8-729-178-54	TRANSISTOR 2SC2785			
		RESISTOR			
R651	1-246-807-00	CARBON	100K	1/8W	
R652	1-246-799-00	CARBON	22K	1/8W	
R653	1-213-136-00	METAL	270 5%	1W	F
R654	1-246-807-00	CARBON	100K	1/8W	
R655	1-246-783-00	CARBON	1K	1/8W	
R656	1-246-807-00	CARBON	100K	1/8W	
R657	1-246-783-00	CARBON	1K	1/8W	
R658	1-246-795-00	CARBON	10K	1/8W	
R659	1-246-799-00	CARBON	22K	1/8W	

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CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

Ref.No	Part No	Description				Remark
R660	1-246-795-00	CARBON	10K		1/8W	
R661	1-246-773-00	CARBON	150		1/8W	
R662	1-246-784-00	CARBON	1.2K		1/8W	
R663	1-246-776-00	CARBON	270		1/8W	
R664	1-246-772-00	CARBON	120		1/8W	
R665	1-246-801-00	CARBON	33K		1/8W	
R666	1-206-513-00	METAL	12	5%	3W	F
R667	1-246-779-00	CARBON	470		1/8W	
R668	1-246-792-00	CARBON	5.6K		1/8W	
R669	1-246-783-00	CARBON	1K		1/8W	
R670	1-246-783-00	CARBON	1K		1/8W	
R671	1-246-771-00	CARBON	100		1/8W	
R672	1-246-801-00	CARBON	33K		1/8W	
R673	1-246-807-00	CARBON	100K		1/8W	
R674	1-213-141-00	METAL	680	5%	1W	F
R675	1-246-811-00	CARBON	220K		1/8W	
R676	1-246-799-00	CARBON	22K		1/8W	
R677	1-246-807-00	CARBON	100K		1/8W	
R678	1-246-795-00	CARBON	10K		1/8W	
R679	1-246-780-00	CARBON	560		1/8W	
R680	1-246-811-00	CARBON	220K		1/8W	
R681	1-246-799-00	CARBON	22K		1/8W	
R682	1-246-811-00	CARBON	220K		1/8W	
R683	1-246-795-00	CARBON	10K		1/8W	
R684	1-246-799-00	CARBON	22K		1/8W	
R685	1-246-799-00	CARBON	22K		1/8W	
R686	1-246-807-00	CARBON	100K		1/8W	
R687	1-246-811-00	CARBON	220K		1/8W	
R688	1-246-811-00	CARBON	220K		1/8W	
R689	1-246-795-00	CARBON	10K		1/8W	
R690	1-246-784-00	CARBON	1.2K		1/8W	
R691	1-246-781-00	CARBON	680		1/8W	
R692	1-246-801-00	CARBON	33K		1/8W	
R693	1-246-798-00	CARBON	18K		1/8W	
R694	1-247-047-00	CARBON	330K		1/8W	
R695	1-246-811-00	CARBON	220K		1/8W	

VARIABLE RESISTOR

RV651	1-226-846-00	RES, ADJ, CARBON 470	
RV652	1-226-846-00	RES, ADJ, CARBON 470	
RV661	1-228-351-00	RES, VAR, SLIDE 20K	
RV662	1-228-350-00	RES, VAR, SLIDE 20K	

SWITCH

S653	1-553-842-00	SWITCH, SLIDE	

****

♦:1-605-137-00 C1 BOARD
****

CONNECTOR

C1	♦:1-560-466-00	PIN, CONNECTOR 3P	
C2	♦:1-560-466-00	PIN, CONNECTOR 3P	
C3	♦:1-560-467-00	PIN, CONNECTOR 4P	
C4	♦:1-560-466-00	PIN, CONNECTOR 3P	
C5	♦:1-560-456-00	PIN, CONNECTOR 2P	
C6	♦:1-560-224-00	PLUG, CONNECTOR (2.5MM) 10P	
C7	♦:1-560-128-00	PLUG, CONNECTOR (2.5MM PITCH)	

CAPACITOR

C701	1-123-356-00	ELECT	10MF	20%	16V
C702	1-102-115-00	CERAMIC	560PF	10%	50V
C703	1-102-116-00	CERAMIC	680PF	10%	50V
C704	1-102-115-00	CERAMIC	560PF	10%	50V

COIL

L701	1-408-427-00	MICRO INDUCTOR 330UH	

TRANSISTOR

Q701	8-729-309-06	TRANSISTOR 2SC1890A	
Q702	8-729-309-06	TRANSISTOR 2SC1890A	
Q703	8-729-309-06	TRANSISTOR 2SC1890A	

RESISTOR

R701	1-246-793-00	CARBON	6.8K		1/8W
R702	1-246-786-00	CARBON	1.8K		1/8W
R703	1-246-840-00	CARBON	510		1/8W
R704	1-246-793-00	CARBON	6.8K		1/8W
R705	1-246-793-00	CARBON	6.8K		1/8W
R706	1-246-786-00	CARBON	1.8K		1/8W
R707	1-246-839-00	CARBON	430		1/8W
R708	1-246-793-00	CARBON	6.8K		1/8W
R709	1-246-855-00	CARBON	9.1K		1/8W
R710	1-246-793-00	CARBON	6.8K		1/8W
R711	1-246-786-00	CARBON	1.8K		1/8W
R712	1-246-840-00	CARBON	510		1/8W
R713	1-246-793-00	CARBON	6.8K		1/8W
R714	1-246-503-00	CARBON	18K	5%	1/4W
R715	1-246-503-00	CARBON	18K	5%	1/4W
R716	1-246-503-00	CARBON	18K	5%	1/4W
R717	1-246-787-00	CARBON	2.2K		1/8W
R751	1-202-726-00	COMPOSITION	3.9M	10%	1/2W

VARIABLE RESISTOR

RV701	1-226-850-00	RES, ADJ, CARBON 4.7K	
RV702	1-226-850-00	RES, ADJ, CARBON 4.7K	
RV703	1-226-850-00	RES, ADJ, CARBON 4.7K	
RV704	1-226-848-00	RES, ADJ, CARBON 2.2K	
RV705	1-226-848-00	RES, ADJ, CARBON 2.2K	
RV751	1-226-659-21	RES, ADJ, METAL GLAZE 7.5M	
RV752	1-226-866-00	RES, ADJ, METAL GLAZE 30M	

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C2 D

Ref.No	Part No	Description			Remark
	♦:1-605-138-00	C2 BOARD			
		********			
	♦:4-353-310-00	CASE (C), SHIELD			
		CONNECTOR			
C8	♦:1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)			
		CAPACITOR			
C721	1-161-753-00	CERAMIC	470PF	10%	3KV
J721	1-509-545-00	SOCKET, CRT MOLD			
R721	1-246-481-00	CARBON	2.2K 5%	1/4W	
R722	1-246-481-00	CARBON	2.2K 5%	1/4W	
R723	1-246-481-00	CARBON	2.2K 5%	1/4W	
		SPARK GAP			
SG721	1-519-063-XX	DISCHARGING GAP			
SG722	1-519-063-XX	DISCHARGING GAP			
SG723	1-519-063-XX	DISCHARGING GAP			
SG724	1-519-063-XX	DISCHARGING GAP			
		TRANSFORMER			
T721	1-442-071-00	TRANSFORMER, HEATER			
**********					
	♦:A-1345-327-A	D BOARD, COMPLETE			
		**********			
	♦:3-847-723-00	PIN, LEAD			
	4-023-455-00	PIECE, CONTACT			
		CAPACITOR			
C501	1-123-307-00	ELECT	100MF	20%	10V
C502	1-123-379-00	ELECT	0.47MF	20%	50V
C503	1-108-373-00	MYLAR	0.0047MF	10%	100V
C504	1-102-973-00	CERAMIC	100PF	5%	50V
C505	1-108-385-00	MYLAR	0.047MF	10%	100V
C506	1-123-382-00	ELECT	3.3MF	20%	50V
C507	1-108-384-00	MYLAR	0.039MF	10%	100V
C508	1-108-383-00	MYLAR	0.033MF	10%	100V
C509	1-108-389-00	MYLAR	0.1MF	10%	100V
C510	1-123-356-00	ELECT	10MF	20%	16V
C511	1-102-106-00	CERAMIC	100PF	10%	50V
C512	1-108-365-00	MYLAR	0.001MF	10%	100V
C513	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C514 ⚠	1-108-694-00	MYLAR	0.015MF	10%	200V
C515 ⚠	1-108-694-00	MYLAR	0.015MF	10%	200V
C516 ⚠	1-108-694-00	MYLAR	0.015MF	10%	200V
C517	1-108-684-00	MYLAR	0.0022MF		
C517	1-108-686-00	MYLAR	0.0033MF		
C517	1-108-688-00	MYLAR	0.0047MF		
C517	1-108-689-00	MYLAR	0.0056MF		
C517	1-108-690-00	MYLAR	0.0068MF		
C517	1-108-691-00	MYLAR	0.0082MF		
C517	1-108-692-00	MYLAR	0.01MF		200V
C518	1-123-638-00	ELECT	3.3MF	20%	25V
C519	1-123-324-00	ELECT	1000MF	20%	16V
C520	1-121-999-00	ELECT	10MF		160V
C521	1-123-356-00	ELECT	10MF	20%	50V
C522	1-123-356-00	ELECT	10MF	20%	50V
C523	1-123-380-00	ELECT	1MF	20%	50V
C524	1-123-651-00	ELECT	0.22MF	20%	50V
C525	1-102-228-00	CERAMIC	470PF	10%	500V
C526	1-102-074-00	CERAMIC	1000PF	10%	50V
C527	1-123-356-00	ELECT	10MF	20%	16V
C528	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C531	1-123-380-00	ELECT	1MF	20%	50V
C532	1-102-951-00	CERAMIC	15PF	5%	50V
C551	1-123-321-00	ELECT	220MF	20%	16V
C552	1-108-383-00	MYLAR	0.033MF	10%	100V
C553	1-108-385-00	MYLAR	0.047MF	10%	100V
C554	1-123-379-00	ELECT	0.47MF	20%	50V
C555	1-131-236-00	TANTALUM	1MF	10%	25V
C556	1-123-356-00	ELECT	10MF	20%	16V
C557	1-123-356-00	ELECT	10MF	20%	16V
C558	1-123-330-00	ELECT	22MF	20%	16V
C559	1-123-330-00	ELECT	22MF	20%	16V
C560	1-123-308-00	ELECT	220MF	20%	10V
C561	1-123-306-00	ELECT	47MF	20%	10V
C562	1-123-311-00	ELECT	1000MF	20%	10V
C563	1-108-385-00	MYLAR	0.047MF	10%	100V
C581	1-123-321-00	ELECT	220MF	20%	16V
C582	1-123-356-00	ELECT	10MF	20%	16V
C583	1-123-356-00	ELECT	10MF	20%	16V
C584	1-108-365-00	MYLAR	0.001MF	10%	100V
C585	1-123-330-00	ELECT	22MF	20%	16V
C586	1-108-381-00	MYLAR	0.022MF	10%	100V
C587	1-123-308-00	ELECT	220MF	20%	10V
C601	1-123-338-00	ELECT	2200MF	20%	25V
C602	1-123-305-00	ELECT	33MF	20%	10V
C603	1-102-074-00	CERAMIC	0.001MF	10%	50V
		CONNECTOR			
D1	♦:1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P			
		DIODE			
D501	8-719-911-19	DIODE 1SS119			
D502	8-719-911-19	DIODE 1SS119			
D503	=>8-719-911-55	DIODE U05G			
D504	=>8-719-300-76	DIODE RH1A			
D505	=>8-719-300-76	DIODE RH1A			
D506	=>8-719-300-76	DIODE RH1A			
D507	=>8-719-300-76	DIODE RH1A			
D508	=>8-719-911-55	DIODE U05G			
D541	8-719-133-07	DIODE RD3.3E-B			
D601	8-719-175-26	DIODE RD7.5E-B3Z			

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D

Ref.No	Part No	Description			Remark
		IC			
IC551	8-759-110-31	IC UPC1031H			
IC581	8-759-903-86	IC LM386N			
		COIL			
L501	1-405-760-00	COIL, OSC			
L502	1-421-013-00	COIL, (HOLIZONTAL CHOKE) 25MH			
L503	1-408-420-00	MICRO INDUCTOR 82UH			
L504	1-407-488-00	MICRO INDUCTOR 470UH			
L505	1-408-240-00	MICRO INDUCTOR 6.8MMH			
		TRANSISTOR			
Q501	8-729-117-54	TRANSISTOR 2SA1175			
Q502	8-729-902-11	TRANSISTOR 2SC2021			
Q503 ⚠	8-729-137-32	TRANSISTOR 2SC2373			
Q531	8-729-178-54	TRANSISTOR 2SC2785			
Q532	8-729-117-54	TRANSISTOR 2SA1175			
Q541	8-729-178-54	TRANSISTOR 2SC2785			
Q581	8-729-178-54	TRANSISTOR 2SC2785			
Q582	8-729-178-54	TRANSISTOR 2SC2785			
Q601	8-729-377-12	TRANSISTOR 2SA771			
Q602	8-729-117-54	TRANSISTOR 2SA1175			
Q603	8-729-178-54	TRANSISTOR 2SC2785			
		RESISTOR			
R501	1-246-457-00	CARBON	220 5%	1/4W	
R502	1-246-780-00	CARBON	560	1/8W	
R503	1-246-787-00	CARBON	2.2K	1/8W	
R504	1-246-795-00	CARBON	10K	1/8W	
R505	1-246-794-00	CARBON	8.2K	1/8W	
R506	1-246-791-00	CARBON	4.7K	1/8W	
R507	1-246-803-00	CARBON	47K	1/8W	
R508	1-246-785-00	CARBON	1.5K	1/8W	
R509	1-246-785-00	CARBON	1.5K	1/8W	
R510	1-246-861-00	CARBON	30K	1/8W	
R511	1-246-763-00	CARBON	22	1/8W	
R512	1-246-763-00	CARBON	22	1/8W	
R513	1-246-778-00	CARBON	390	1/8W	
R514	1-246-779-00	CARBON	470	1/8W	
R515	1-213-128-00	METAL	56 5%	1W F	
R516	1-246-774-00	CARBON	180	1/8W	
R517	1-247-051-00	CARBON	680K	1/8W	
R518	1-246-764-00	CARBON	27	1/8W	
R519	1-246-807-00	CARBON	100K	1/8W	
R520	1-246-808-00	CARBON	120K	1/8W	
R521	1-246-806-00	CARBON	82K	1/8W	
R522	1-246-756-00	CARBON	5.6	1/8W	
R523	1-246-772-00	CARBON	120	1/8W	
R524	1-246-772-00	CARBON	120	1/8W	
R525	1-244-861-00	CARBON	330 5%	1/2W	
R526	1-244-861-00	CARBON	330 5%	1/2W	
R527	1-246-780-00	CARBON	560	1/8W	

Ref.No	Part No	Description			Remark
R531	1-246-786-00	CARBON	1.8K	1/8W	
R532	1-246-792-00	CARBON	5.6K	1/8W	
R533	1-246-792-00	CARBON	5.6K	1/8W	
R534	1-246-795-00	CARBON	10K	1/8W	
R535	1-246-799-00	CARBON	22K	1/8W	
R536	1-246-787-00	CARBON	2.2K	1/8W	
R537	1-246-803-00	CARBON	47K	1/8W	
R538	1-246-790-00	CARBON	3.9K	1/8W	
R539	1-246-790-00	CARBON	3.9K	1/8W	
R541	1-214-166-00	METAL	27K 1%	1/4W	
⚠ R542	————	METAL		1/4W	
R543	1-246-779-00	CARBON	470	1/8W	
R551	1-246-795-00	CARBON	10K	1/8W	
R552	1-246-793-00	CARBON	6.8K	1/8W	
R553	1-246-788-00	CARBON	2.7K	1/8W	
R554	1-246-800-00	CARBON	27K	1/8W	
R555	1-246-784-00	CARBON	1.2K	1/8W	
R556	1-246-794-00	CARBON	8.2K	1/8W	
R557	1-247-047-00	CARBON	330K	1/8W	
R558	1-246-775-00	CARBON	220	1/8W	
R559	1-246-413-00	CARBON	3.3 5%	1/4W	
R560	1-246-785-00	CARBON	1.5K	1/8W	
R561	1-246-786-00	CARBON	1.8K	1/8W	
R562	1-246-786-00	CARBON	1.8K	1/8W	
R563	1-246-841-00	CARBON	620	1/8W	
R564	1-246-841-00	CARBON	620	1/8W	
R581	1-246-752-00	CARBON	2.7	1/8W	
R582	1-246-792-00	CARBON	5.6K	1/8W	
R583	1-246-792-00	CARBON	5.6K	1/8W	
R584	1-246-791-00	CARBON	4.7K	1/8W	
R585	1-246-791-00	CARBON	4.7K	1/8W	
R586	1-246-795-00	CARBON	10K	1/8W	
R587	1-246-799-00	CARBON	22K	1/8W	
R588	1-246-774-00	CARBON	180	1/8W	
R589	1-246-756-00	CARBON	5.6	1/8W	
R601	1-246-807-00	CARBON	100K	1/8W	
R602	1-246-797-00	CARBON	15K	1/8W	
R603	1-246-771-00	CARBON	100	1/8W	
⚠ R604	————	METAL		1/4W	
R605	1-214-129-00	METAL	750 1%	1/4W	
R606	1-246-799-00	CARBON	22K	1/8W	
		VARIABLE RESISTOR			
RV551	1-226-851-00	RES, ADJ, CARBON 10K			
RV552	1-226-846-00	RES, ADJ, CARBON 470			
RV601	1-226-846-00	RES, ADJ, CARBON 470			
		TRANSFORMER			
T501	1-437-021-00	TRANSFORMER, HORIZONTAL DRIVE			
T502 ⚠	1-439-281-00	TRANSFORMER ASSY, FLYBACK			

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.
- Items marked " ♦ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

D J1 J2 H J4 JN J3

Ref.No	Part No	Description			Remark
		THERMISTOR			
TH551	1-800-070-XX	THERMISTOR TH-4700			
		TH			
TH601	1-800-071-XX	TH DIRECT-HEATING DISK S-300			
**********					
♦	1-605-139-00	J1 BOARD ********			
		SWITCH			
S111	1-553-850-00	SWITCH, PUSH			
**********					
♦	1-605-140-00	J2 BOARD ********			
		DIODE			
D111	8-719-812-41	DIODE TLR124			
D112	8-719-812-42	DIODE TLY124			
D113	8-719-812-43	DIODE TLG124			
D114	8-719-911-19	DIODE 1SS119			
D115	8-719-911-19	DIODE 1SS119			
		RESISTOR			
R111	1-246-778-00	CARBON	390	1/8W	
R112	1-246-799-00	CARBON	22K	1/8W	
		SWITCH			
S112	1-553-640-21	SWICTH, PUSH			
S113	1-553-640-21	SWICTH, PUSH			
S114	1-553-640-21	SWICTH, PUSH			
**********					
♦	1-605-135-00	H BOARD *******			
		DIODE			
D103	8-719-911-19	DIODE 1SS119			
		RESISTOR			
R105	1-246-802-00	CARBON	39K	1/8W	
R106	1-246-809-00	CARBON	150K	1/8W	
R107	1-246-795-00	CARBON	10K	1/8W	
R291	1-246-855-00	CARBON	9.1K 5%	1/8W	
R292	1-246-792-00	CARBON	5.6K	1/8W	
R293	1-246-785-00	CARBON	1.5K	1/8W	
R294	1-246-795-00	CARBON	10K	1/8W	
R295	1-246-779-00	CARBON	470	1/8W	
R296	1-246-798-00	CARBON	18K	1/8W	
R571	1-246-790-00	CARBON	3.9K	1/8W	

Ref.No	Part No	Description	Remark
		VARIABLE RESISTOR	
RV101	1-226-844-00	RES, VAR, CARBON 50K	
RV291	1-226-842-00	RES, VAR, CARBON 10K	
RV292	1-226-842-00	RES, VAR, CARBON 10K	
RV293	1-226-842-00	RES, VAR, CARBON 10K	
RV294	1-226-841-00	RES, VAR, CARBON 1K	
RV295	1-226-851-00	RES, ADJ, CARBON 10K	
RV571	1-226-843-00	RES, VIR, CARBON 30K	
		SWITCH	
S101	1-553-371-00	SWITCH, SLIDE	
**********			
♦	1-605-129-00	J4 BOARD ********	
		SWITCH	
S302	1-553-255-00	SWITCH, SLIDE	
**********			
♦	1-605-142-00	JN BOARD ********	
	1-553-280-00	SWITCH, SLIDE	
♦	1-555-907-00	CONNECTOR (2.0MM) 12P	
♦	1-555-912-00	CONNECTOR ASSY (2.0MM) 8P	
♦	1-560-464-00	PIN, CONNECTOR 10P	
		DIODE	
D20	8-719-922-21	DIODE AR2222S	
D451	8-719-922-21	DIODE AR2222S	
D452	8-719-922-23	DIODE PG2222SY	
D453	8-719-922-22	DIODE AY2222S	
D659	8-719-922-23	DIODE PG2222SY	
**********			
♦	1-605-128-00	J3 BOARD	
♦	1-533-146-00	HOLDER, FUSE	
		FUSE	
F651	⚠ 1-532-578-00	FUSE, GLASS TUBE	
		SWITCH	
S651	1-553-322-00	SWITCH, PUSH (POWER SWITCH)	
S652	1-553-842-00	SWITCH, SLIDE	

NOTE:

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- Items marked " ♦ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

Ref.No	Part No	Description	Remark
♦	1-605-134-00	S BOARD *******	
⚠	1-463-334-00	TUNER BT-862	
		DIODE	
D104	8-719-911-19	DIODE 1SS119	
D105	8-719-100-85	DIODE RD22E-B1	
		SEPARATOR	
LC101	1-417-060-00	SEPARATOR, UV	
**********			
♦	1-606-532-00	J5 BOARD (INCLUDING M902) ********	
	1-231-361-00	FILTER	
		CAPACITOR	
C425	1-101-003-00	CAP, CERAMIC 0.0047MF F	
		COIL	
L403	1-407-187-XX	MICRO INDUCTOR (LF-4)	
L404	1-407-187-XX	MICRO INDUCTOR (LF-4)	
**********			
		MISCELLANEOUS **********	
	A-1455-067-A	PICKUP ASSY, TELEPHONE	
	1-452-032-00	MAGNET, DISK; 10mm ø	
	1-452-192-00	MAGNET, CORRECT BMC	
	1-501-229-00	ANTENNA, TELESCOPIC (SW/FM)	
	1-548-544-00	COUNTER, TAPE	
	1-551-755-00	CONNECTOR ASSY (2.5MM) 6P	
♦	1-551-961-00	CONNECTOR ASSY (2.5MM) 8P	
	1-553-537-00	SWITCH, SLIDE (MIXER, ANTENNA)	
♦	1-555-453-00	CORD, WITH PLUG	
♦	1-555-904-00	CONNECTOR ASSY (2.0MM) 12P	
♦	1-555-905-00	CONNECTOR ASSY (2.0MM) 12P	
♦	1-555-910-00	CONNECTOR ASSY (2.0MM) 10P	
♦	1-555-914-00	CONNECTOR ASSY (2.0MM) 6P	
	1-555-923-00	CONNECTOR ASSY (2.0MM) 4P	
♦	1-555-925-00	CONNECTOR ASSY (2.0MM) 3P	
♦	1-555-926-00	CONNECTOR ASSY (2.0MM) 3P	
♦	1-555-931-00	CONNECTOR ASSY (2.0MM) 3P	
♦	1-555-936-00	CONNECTOR ASSY (2.0MM) 2P	
♦	1-555-937-00	CONNECTOR ASSY (2.0MM) 2P	
♦	1-555-938-00	CONNECTOR ASSY (2.0MM) 2P	
♦	1-555-939-00	CONNECTOR ASSY (2.0MM) 2P	
	1-555-956-00	CONNECTOR ASSY (2.5MM) 2P	
	1-161-015-00	CAP, CERAMIC 0.015MF(TELEPHONE PICUP)	
	2-235-304-00	PLATE, ADHESIVE (TELEPHONE PICUP TP-5T)	
	8-814-189-00	MICROPHONE, BUILT-IN (C-1007A)	
HE901	8-825-726-50	HEAD (EP209-62)	
HPR901	8-829-375-00	HEAD, RECORD/ PLAY BACK	
L901	⚠ 1-451-184-00	DEFLECTION YOKE (SY-110)	
M901	8-835-008-11	MOTOR MNF-1600B	
M902	8-835-034-01	MOTOR, DC(DNR-3200A)	
PH901	8-719-751-42	DIODE NJL5141E-A	
PL901	1-518-306-00	LAMP, PILOT	
PL902	1-518-306-00	LAMP, PILOT	
PM901	1-454-257-00	SOLENOID	
RV901	⚠ 1-226-882-21	RESISTOR, HIGH-VOLTAGE	
S901	A-3036-455-A	REC BLOCK ASSY	
SP901	1-502-703-00	SPEAKER	
V901	⚠ 8-733-301-05	PICTURE TUBE (110LB22)	

****

ACCESSORIES AND PACKING MATERIALS
****

Part No	Description	Remark
A-1470-522-A	COMMANDER ASSY	
A-1009-064-A	OVERALL ASSY, MAIN, AC ADAPTOR	
X-3701-105-0	ROD ASSY, CLEANING, HEAD	
1-417-078-21	MIXER, ANTENNA	
1-504-044-00	EARPHONE, MAGNETIC (ME-21)	
1-506-309-00	PLUG, SHORT (SP-100)	
1-528-027-11	BATTERY, NEW SUPER (SUM-3)(NS)	
3-701-625-00	BAG, POLYETHYLENE	
3-701-730-00	BAG, POLYETHYLENE, IBM CARD	
3-826-164-00	BAG, POLYETHYLENE, COMMANDER	
3-884-422-00	SHEET, PROTECTION	
4-491-213-21	INSTRUCTION	
4-353-327-00	CUSHION (FRONT)	
4-353-327-01	CUSHION, FRONT	
4-353-328-00	CUSHION (REAR)	
4-353-328-01	CUSHION, REAR	
4-353-329-00	CUSHION (ACCESSORY)	
4-353-329-01	CUSHION FOR ACCESSORIES	
4-353-331-00	BAG, PROTECTION	
4-353-331-01	PROTECTION BAG	
4-353-332-00	INDIVIDUAL CARTON	
4-353-332-01	INDIVIDUAL CARTON	
4-353-333-00	SLEEVE	
4-353-333-01	SLEEVE	
4-491-536-01	SCHEMATIC DIAGRAM (B2)	
4-493-581-21	MANUAL, INSTRUCTION	
7-822-282-01	IBM, CARD (WHITE)	
8-891-127-00	MC-30(S)	

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

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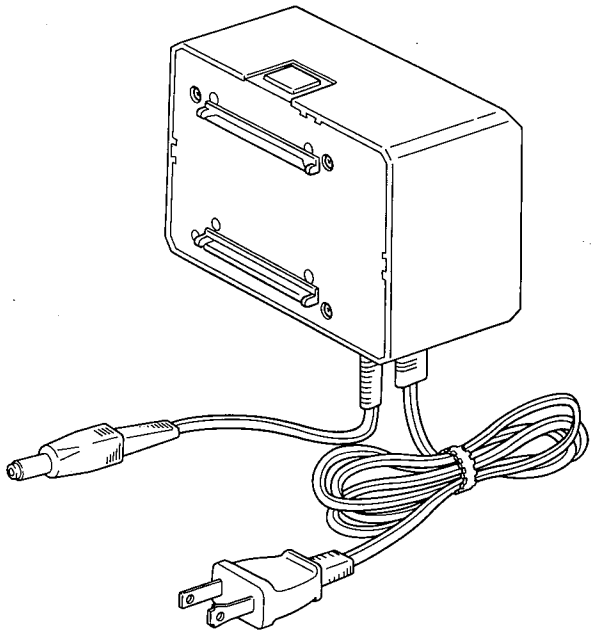
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : µF, PF : µµF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : µH

AC-125W



AC POWER ADAPTOR

SPECIFICATIONS

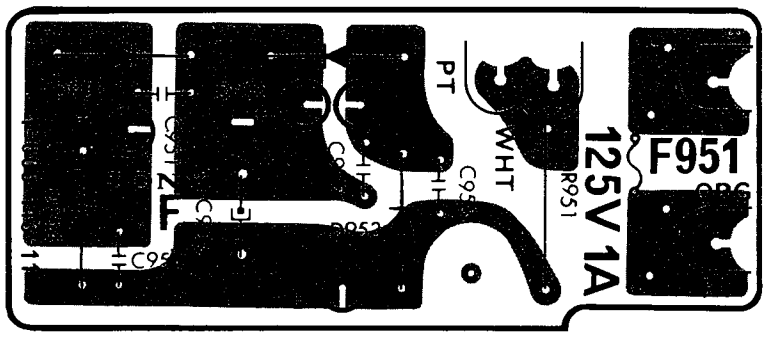
Semiconductors:	Diodes
Power Requirements:	120 V ac, 60 Hz
DC Output:	12 V 1.4 A
Dimensions:	116 (w) x 100 (h) x 67 (d) mm 4 (w) x 4 (h) x 2 ¾ (d) inches
Weight:	1.3 kg (2 lb 14 oz)

F

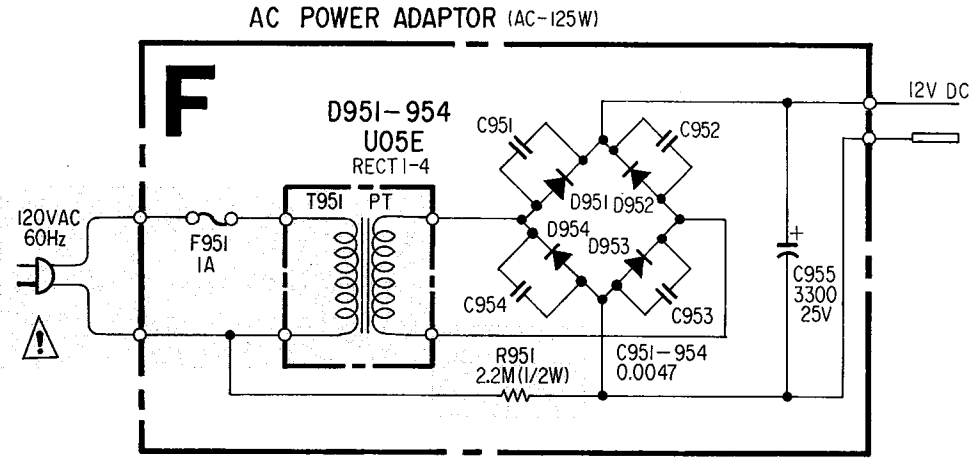
A | B | C

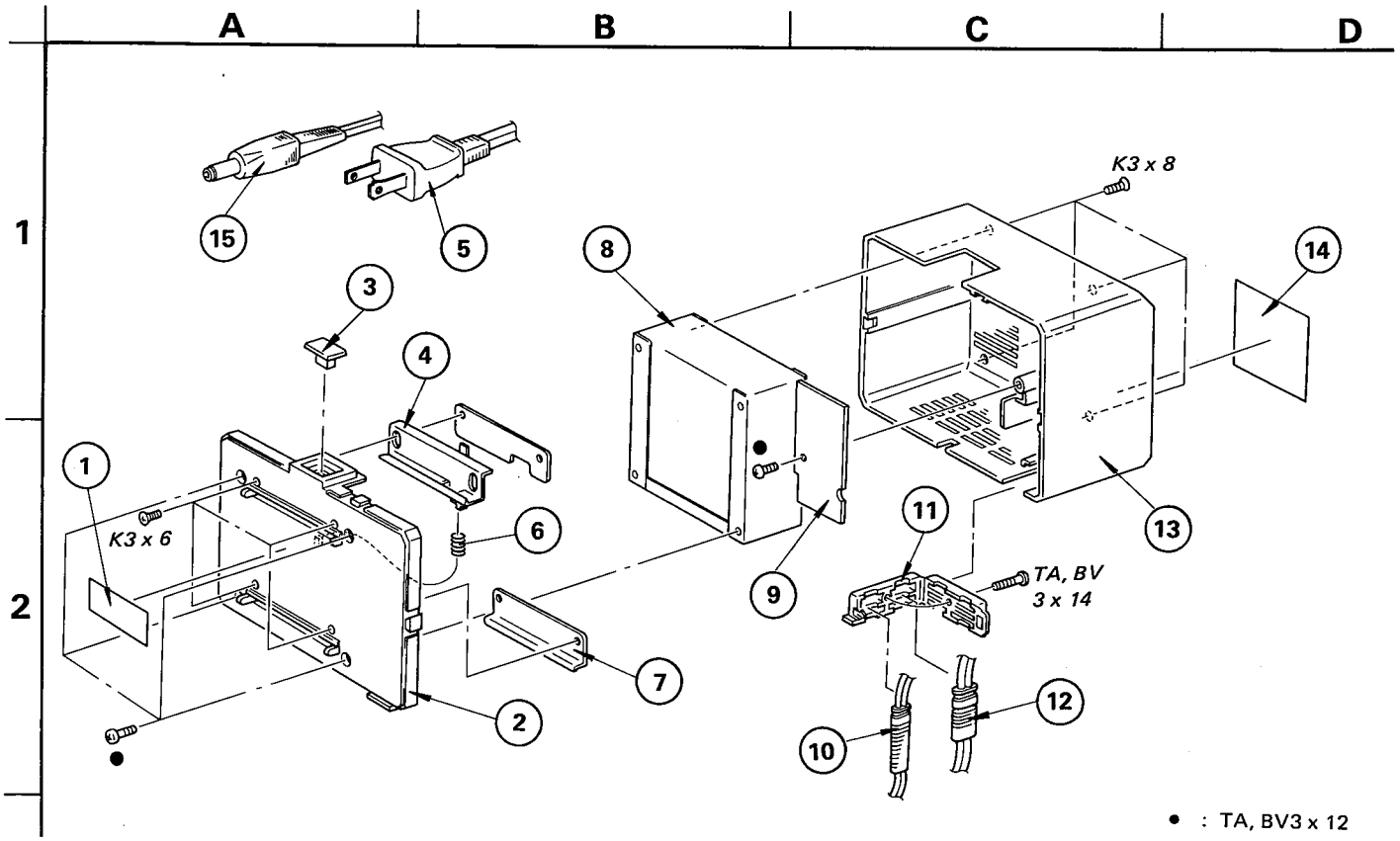
1. MOUNTING DIAGRAMS

– Conductor Side –



2. SCHEMATIC DIAGRAM





No.	Part No	Description	Remark
1	3-703-238-00	LABEL, MAIN CAUTION	
2	2-293-007-00	CASE (B)	
3	2-293-002-00	PUSH BUTTON	
4	♦:2-293-005-00	LEVER, MOVABLE	
5	⚠.1-551-478-00	CORD, POWER	
6	4-812-546-01	SPRING COMPRESSION (B)	
7	♦:2-293-001-00	LEVER (B)	
8	⚠.1-447-079-00	TRANSFORMER, POWER	
9	♦:1-605-143-00	F BOARD	
10	2-235-304-00	PLATE, ADHESIVE	
11	2-259-753-00	BAG, PROTECTION	
12	⚠.2-245-509-11	HOLDER, CORD	
13	2-293-006-00	CASE (A)	
14	♦:2-293-004-00	LABEL, MODEL NUMBER	
15	1-555-307-21	CORD, WITH PLUG	

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- As to the part numbered with E-, refer to the electrical parts list.
- Items marked " ♦ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

AC125W

Ref.No	Part No	Description			Remark
	A-1009-064-A	OVERALL ASSY, MAIN, AC ADAPTOR			
		**********			
♦:	1-533-087-00	HOLDER, FUSE			
♦:	1-605-143-00	PC BOARD, F			
		CAPACITOR			
C951	1-101-003-00	CERAMIC	0.0047MF		50V
C952	1-101-003-00	CERAMIC	0.0047MF		50V
C953	1-101-003-00	CERAMIC	0.0047MF		50V
C954	1-101-003-00	CERAMIC	0.0047MF		50V
C955	1-123-500-00	ELECT	3300MF	20%	25V
		DIODE			
D951	=>8-719-911-55	DIODE U05G			
D952	=>8-719-911-55	DIODE U05G			
D953	=>8-719-911-55	DIODE U05G			
D954	=>8-719-911-55	DIODE U05G			
		FUSE			
F951	⚠. 1-532-536-00	FUSE, GLASS-TUBE 1A			
		RESISTOR			
R951	⚠. 1-202-723-00	COMPOSITION	2.2M	10% 1/2W	
		**********			
		MISCELLANEOUS			
		**********			
	⚠. 1-551-478-00	CORD, POWER			
	1-555-307-21	CORD, WITH PLUG			
T951	⚠. 1-447-079-00	TRANSFORMER, POWER			
		**********			

PACKING MATERIAL
****

Part No	Description	Remark
2-259-753-00	BAG, PROTECTION	

RM-33

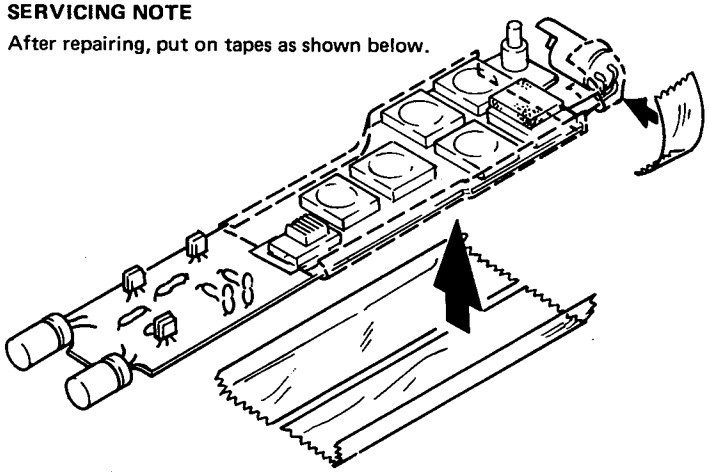
REMOTE CONTROL UNIT

SPECIFICATIONS

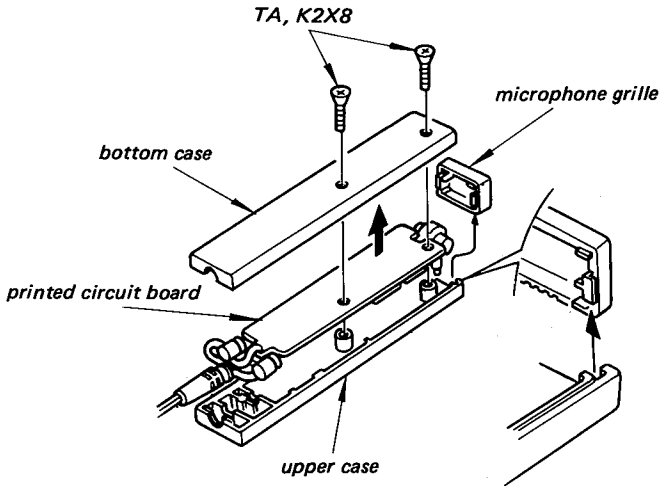
Microphone:	Back-electret condenser microphone
Dimensions:	Approx. 24 x 13 x 133 mm (w/h/d) (1 x $^5/_8$ x 5¼ inches)
Weight:	Approx. 90 g (2.8 oz)
Plugs:	Microphone output plug (miniplug) Remote Control output plug (miniplug)
Cord length:	Approx. 1.8 m

SERVICING NOTE

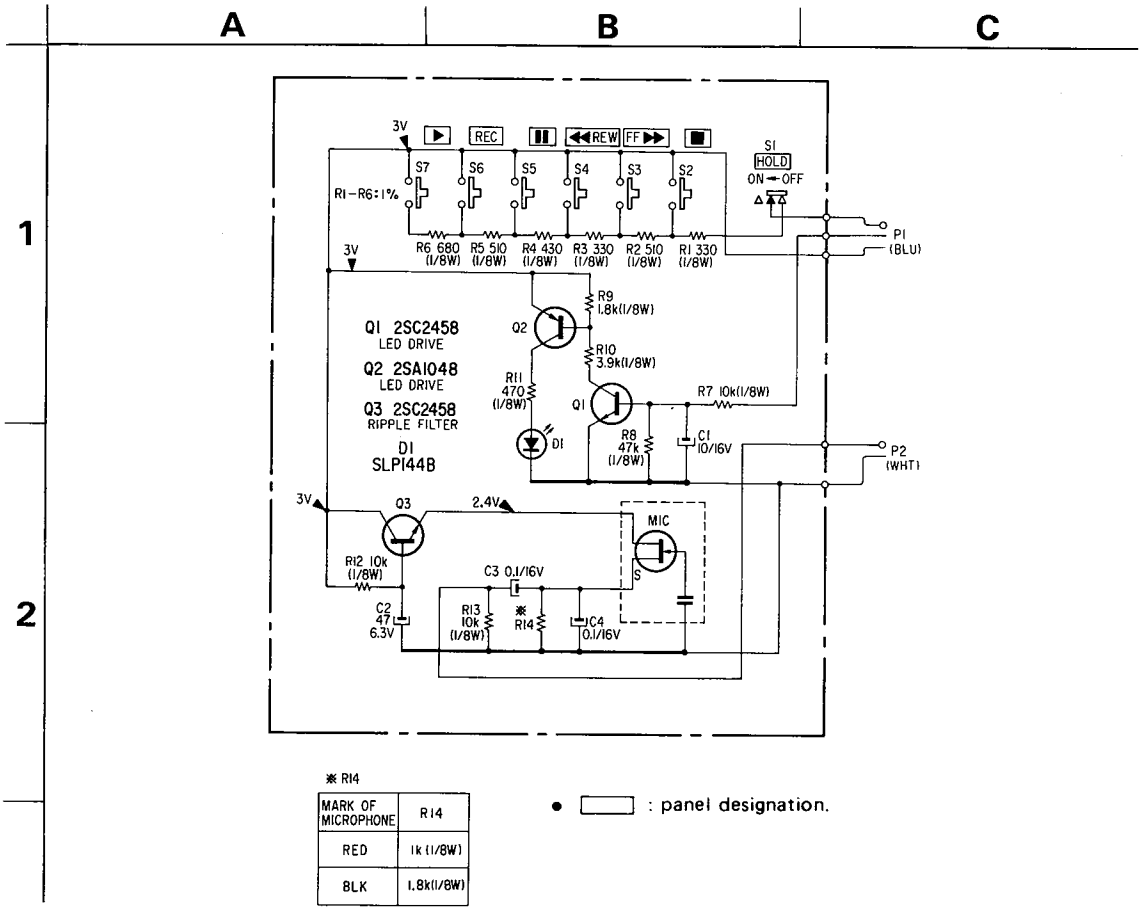
After repairing, put on tapes as shown below.



1. DISASSEMBLY



2. SCHEMATIC DIAGRAM

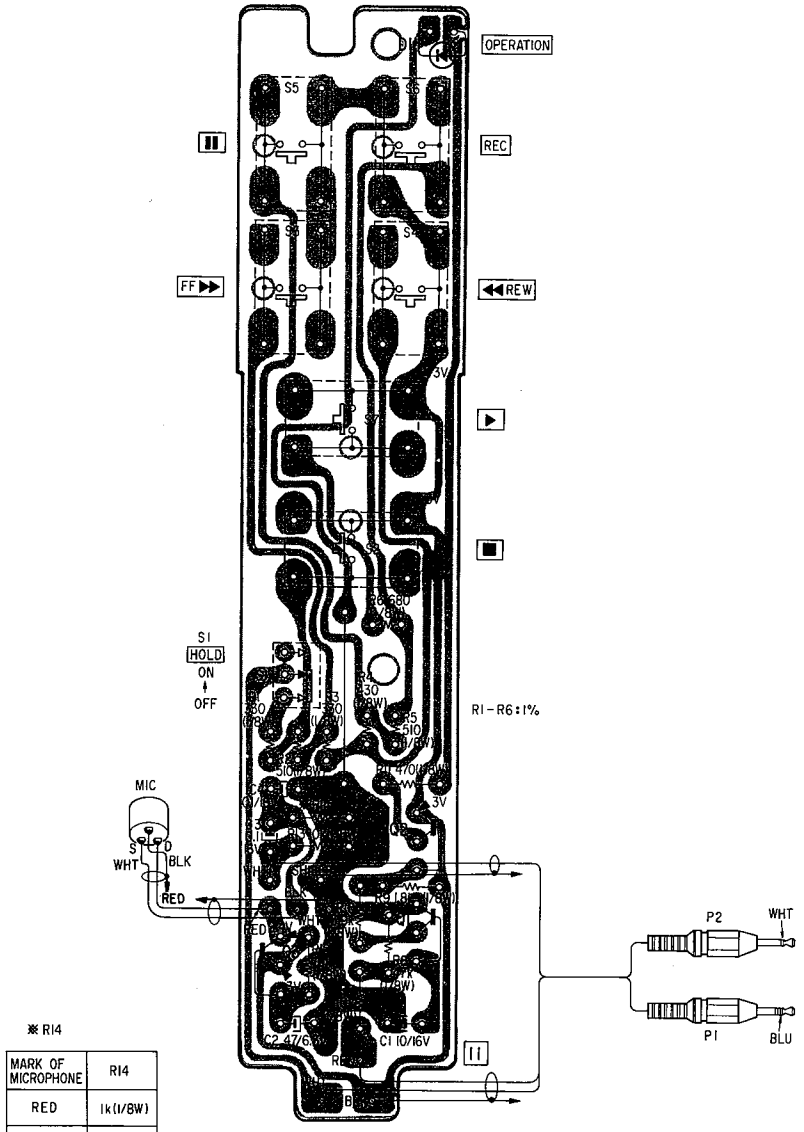


※ R14

MARK OF MICROPHONE	R14
RED	1k (1/8W)
BLK	1.8k(1/8W)

● ▭ : panel designation.

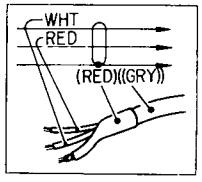
3. MOUNTING DIAGRAM



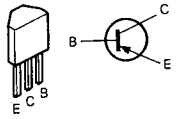
※ R14

MARK OF MICROPHONE	R14
RED	1k(1/8W)
BLK	1.8k(1/8W)

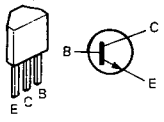
- Color code of sleeving over the end of the jacket.



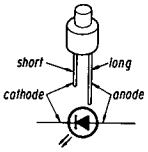
2SA1048



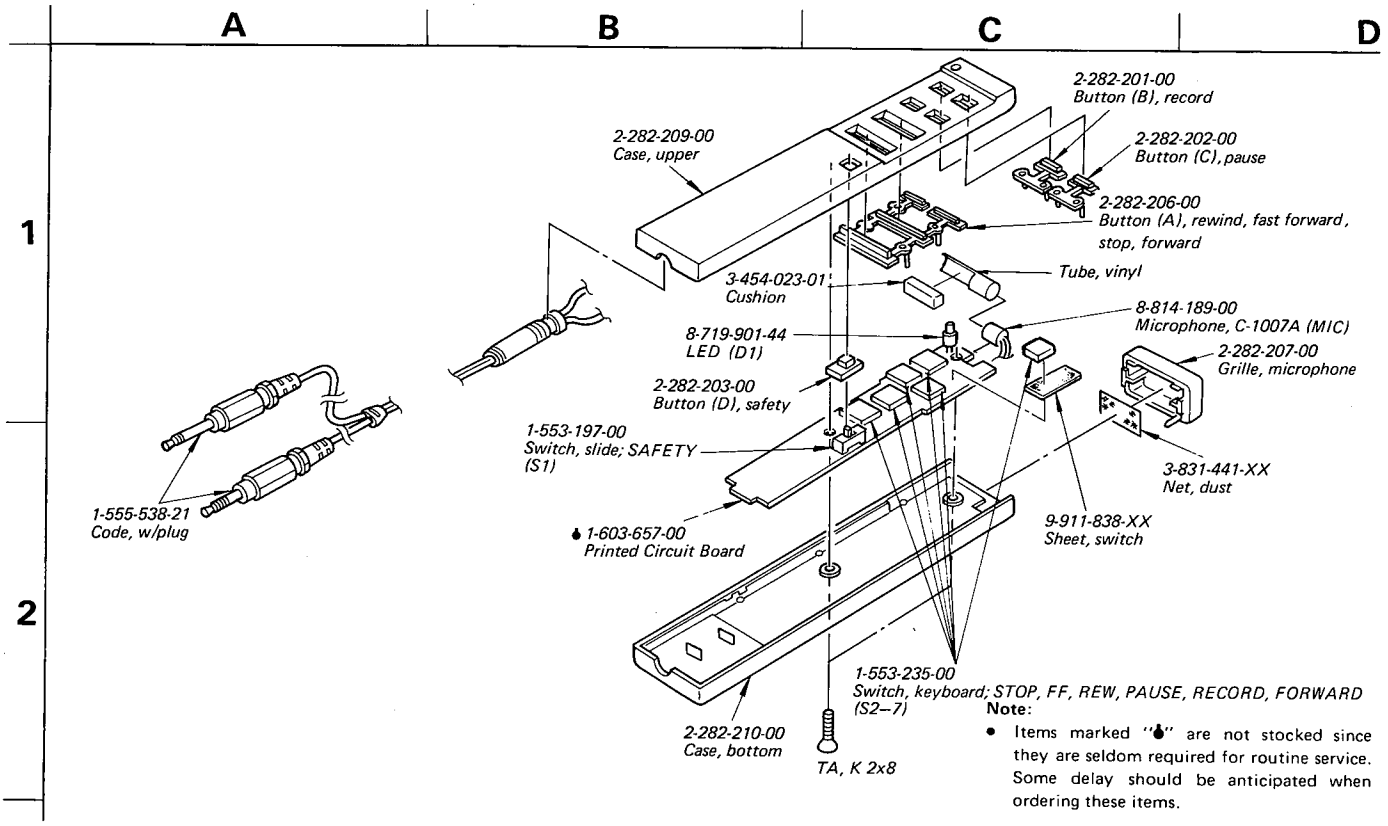
2SC2458



SLP144B



4. EXPLODED VIEW



Note:
- Items marked "♦" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

5. ELECTRICAL PARTS LIST

Ref. No.	Part No.	Description		
		SEMICONDUCTORS		
		Transistors		
Q1, 3	8-729-245-83	2SC2458		
Q2	8-729-204-82	2SA1048		
		Diode		
D1	8-719-901-44	SLP144B		
		CAPACITORS		
C1	1-121-651-00	10μF	16V	electrolytic
C2	1-123-306-00	47μF	6.3V	electrolytic
C3, 4	1-131-451-00	0.1μF	16V	tantalum
		RESISTORS		
R1	1-214-545-00	330Ω	1/8W	metal oxide (1%)
R2	1-214-550-00	510Ω	1/8W	metal oxide (1%)
R3	1-214-545-00	330Ω	1/8W	metal oxide (1%)
R4	1-214-548-00	430Ω	1/8W	metal oxide (1%)
R5	1-214-550-00	510Ω	1/8W	metal oxide (1%)
R6	1-214-553-00	680Ω	1/8W	metal oxide (1%)
R7	1-246-795-00	10kΩ	1/8W	carbon
R8	1-246-803-00	47kΩ	1/8W	carbon
R9	1-246-786-00	1.8kΩ	1/8W	carbon
R10	1-246-790-00	3.9kΩ	1/8W	carbon
R11	1-246-779-00	470Ω	1/8W	carbon
R12, 13	1-246-795-00	10kΩ	1/8W	carbon
R14	1-246-783-00	1kΩ	1/8W	carbon
R14	1-246-786-00	1.8kΩ	1/8W	carbon
		MISCELLANEOUS		
MIC	8-814-189-00	Microphone, C-1007A		
S1	1-553-197-00	Switch, slide; SAFETY		
S2–7	1-553-235-00	Switch, keyboard; STOP, FF, REW, PAUSE, RECORD, FORWARD		
	1-555-538-21	Cord, w/plug		
	♦ 1-603-657-00	Printed Circuit Board		

ACCESSORIES & PACKING MATERIALS

Part No.	Description
3-701-615-00	Bag, plastic
3-783-365-11	Manual, instruction

- Items marked "♦" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

STANDARD PARTS LIST

ELECTROLYTIC CAPACITORS

CAP. (μF)	RATING → : Use the high voltage rated one.						
	6.3 VOLT.	10 VOLT.	16 VOLT.	25 VOLT.	35 VOLT.	50 VOLT.	63 VOLT.
	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.47						→	→
1.0						→	→
2.2						→	→
3.3						→	→
4.7				→	→	→	1-123-369-00
10			→	→	→	1-123-356-00	1-123-370-00
22			→	1-123-330-00	→	1-123-357-00	1-123-371-00
33	→	→	1-123-318-00	→	1-123-343-00	→	1-123-372-00
47	→	1-123-306-00	→	1-123-332-00	→	1-123-359-00	1-123-373-00
100	→	1-123-307-00	→	1-123-333-00	1-123-345-00	1-123-360-00	1-123-374-00
220	→	1-123-308-00	1-123-321-00	1-123-334-00	1-123-346-00	1-123-361-00	1-123-375-00
330	→	1-123-309-00	1-123-322-00	1-123-335-00	1-123-347-00	1-123-362-00	1-123-376-00
470	1-123-298-00	1-123-310-00	1-123-323-00	1-123-336-00	1-123-348-00	1-123-363-00	1-123-377-00
1000	1-123-299-00	1-123-311-00	1-123-324-00	1-123-337-00	1-123-349-00	1-123-364-00	1-123-378-00
2200	1-123-300-00	→	1-123-325-00	1-123-338-00	1-123-350-00		
3300	1-123-301-00	1-123-313-00	1-123-326-00	1-123-339-00			
4700	1-123-302-00	1-123-314-00	1-123-327-00				
6800	1-123-303-00	1-123-315-00					
10000	1-123-304-00						

CAP. (μF)	100 VOLT.	160 VOLT.	250 VOLT.	350 VOLT.
	PART No.	PART No.	PART No.	PART No.
0.47	1-123-379-00			
1.0	1-123-380-00	1-123-252-00	1-123-003-00	1-121-168-00
2.2	1-123-381-00	1-123-026-00	1-123-027-00	1-123-028-00
3.3	1-123-382-00	1-121-707-00	1-123-004-00	1-123-006-00
4.7	1-123-383-00	1-121-246-00	1-121-759-00	1-123-007-00
10	1-123-384-00	1-121-999-00	1-123-254-00	1-123-008-00
22	1-123-385-00	1-123-253-00	1-123-005-00	1-123-022-00
33	1-123-386-00	1-121-757-00		
47	1-123-387-00	1-121-919-00		
100	1-123-388-00			
220	1-123-389-00			
330	1-123-390-00			
470	1-123-391-00			

CERAMIC CAPACITORS

CAP. (pF)	RATING 50 VOLT.	CAP. (pF)	50 VOLT.	CAP. (pF)	50 VOLT.	CAP. (μF)	50 VOLT.
	PART No.		PART No.		PART No.		PART No.
0.5	1-101-837-00	22	1-102-959-00	150	1-101-361-00	0.001	1-102-074-00
0.75	1-101-586-00	24	1-102-960-00	160	1-101-367-00	0.0012	1-102-118-00
1.0	1-102-934-00	27	1-102-961-00	180	1-102-976-00	0.0015	1-102-119-00
1.5	1-101-576-00	30	1-102-962-00	200	1-102-977-00	0.0018	1-102-120-00
2.0	1-102-935-00	33	1-102-963-00	220	1-102-978-00	0.0022	1-102-121-00
3	1-102-936-00	36	1-102-964-00	240	1-102-979-00	0.0027	1-102-122-00
4	1-102-937-00	39	1-102-965-00	270	1-102-980-00	0.0033	1-102-123-00
5	1-102-942-00	43	1-102-966-00	300	1-102-981-00	0.0039	1-102-124-00
6	1-102-943-00	47	1-101-880-00	330	1-102-820-00	0.0047	1-102-125-00
7	1-102-944-00	51	1-101-882-00	360	1-102-821-00	0.0056	1-102-126-00
8	1-102-945-00	56	1-101-884-00	390	1-102-822-00	0.0068	1-102-127-00
9	1-102-946-00	62	1-101-886-00	430	1-102-823-00	0.0082	1-102-128-00
10	1-102-947-00	68	1-101-888-00	470	1-102-824-00	0.01	1-102-129-00
11	1-102-948-00	75	1-101-890-00	510	1-101-059-00	0.022	1-101-005-00
12	1-102-949-00	82	1-102-971-00	560	1-102-115-00	0.047	1-101-006-00
13	1-102-950-00	91	1-102-972-00	680	1-102-116-00		
15	1-102-951-00	100	1-102-973-00	820	1-102-117-00		
16	1-102-952-00	110	1-102-815-00				
18	1-102-953-00	120	1-102-816-00				
20	1-102-958-00	130	1-101-081-00				

0.001μF = 1,000pF

MYLAR CAPACITORS

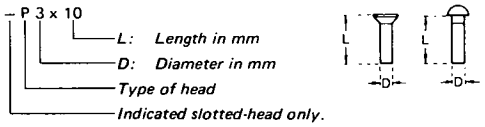
CAP. (μF)	RATING 50 VOLT.	100 VOLT.	200 VOLT.	CAP. (μF)	50 VOLT.	100 VOLT.	200 VOLT.	CAP. (μF)	50 VOLT.	100 VOLT.	200 VOLT.
	PART No.	PART No.	PART No.		PART No.	PART No.	PART No.		PART No.	PART No.	PART No.
0.001	1-108-227-00	1-108-365-00	1-108-409-00	0.01	1-108-239-00	1-108-377-00	1-108-421-00	0.1	1-108-251-00	1-108-389-00	1-108-433-00
0.0012	1-108-351-00	1-108-366-00	1-108-410-00	0.012	1-108-357-00	1-108-378-00	1-108-422-00	0.12	1-108-363-00	1-108-390-00	1-108-434-00
0.0015	1-108-228-00	1-108-367-00	1-108-411-00	0.015	1-108-240-00	1-108-379-00	1-108-423-00	0.15	1-108-252-00	1-108-391-00	1-108-435-00
0.0018	1-108-352-00	1-108-368-00	1-108-412-00	0.018	1-108-358-00	1-108-380-00	1-108-424-00	0.18	1-108-364-00	1-108-392-00	1-108-436-00
0.0022	1-108-230-00	1-108-369-00	1-108-413-00	0.022	1-108-242-00	1-108-381-00	1-108-425-00	0.22	1-108-254-00	1-108-393-00	1-108-437-00
0.0027	1-108-353-00	1-108-370-00	1-108-414-00	0.027	1-108-359-00	1-108-382-00	1-108-426-00	0.27	1-108-854-00		
0.0033	1-108-232-00	1-108-371-00	1-108-415-00	0.033	1-108-244-00	1-108-383-00	1-108-427-00	0.33	1-108-855-00		
0.0039	1-108-354-00	1-108-372-00	1-108-416-00	0.039	1-108-360-00	1-108-384-00	1-108-428-00	0.39	1-108-856-00		
0.0047	1-108-234-00	1-108-373-00	1-108-417-00	0.047	1-108-246-00	1-108-385-00	1-108-429-00	0.47	1-108-857-00		
0.0056	1-108-355-00	1-108-374-00	1-108-418-00	0.056	1-108-361-00	1-108-386-00	1-108-430-00				
0.0068	1-108-237-00	1-108-375-00	1-108-419-00	0.068	1-108-249-00	1-108-387-00	1-108-431-00				
0.0082	1-108-356-00	1-108-376-00	1-108-420-00	0.082	1-108-362-00	1-108-388-00	1-108-432-00				

1/4 WATT CARBON RESISTORS

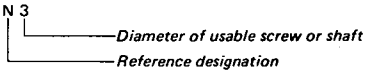
Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.
1.0	1-246-401-00	10	1-246-425-00	100	1-246-449-00	1.0k	1-246-473-00	10k	1-246-497-00	100k	1-246-521-00	1.0M	1-246-545-00
1.1	1-246-402-00	11	1-246-426-00	110	1-246-450-00	1.1k	1-246-474-00	11k	1-246-498-00	110k	1-246-522-00	1.1M	1-210-814-00
1.2	1-246-403-00	12	1-246-427-00	120	1-246-451-00	1.2k	1-246-475-00	12k	1-246-499-00	120k	1-246-523-00	1.2M	1-210-815-00
1.3	1-246-404-00	13	1-246-428-00	130	1-246-452-00	1.3k	1-246-476-00	13k	1-246-500-00	130k	1-246-524-00	1.3M	1-210-816-00
1.5	1-246-405-00	15	1-246-429-00	150	1-246-453-00	1.5k	1-246-477-00	15k	1-246-501-00	150k	1-246-525-00	1.5M	1-210-817-00
1.6	1-246-406-00	16	1-246-430-00	160	1-246-454-00	1.6k	1-246-478-00	16k	1-246-502-00	160k	1-246-526-00	1.6M	1-210-818-00
1.8	1-246-407-00	18	1-246-431-00	180	1-246-455-00	1.8k	1-246-479-00	18k	1-246-503-00	180k	1-246-527-00	1.8M	1-210-819-00
2.0	1-246-408-00	20	1-246-432-00	200	1-246-456-00	2.0k	1-246-480-00	20k	1-246-504-00	200k	1-246-528-00	2.0M	1-210-820-00
2.2	1-246-409-00	22	1-246-433-00	220	1-246-457-00	2.2k	1-246-481-00	22k	1-246-505-00	220k	1-246-529-00	2.2M	1-210-821-00
2.4	1-246-410-00	24	1-246-434-00	240	1-246-458-00	2.4k	1-246-482-00	24k	1-246-506-00	240k	1-246-530-00	2.4M	1-244-754-00
2.7	1-246-411-00	27	1-246-435-00	270	1-246-459-00	2.7k	1-246-483-00	27k	1-246-507-00	270k	1-246-531-00	2.7M	1-244-755-00
3.0	1-246-412-00	30	1-246-436-00	300	1-246-460-00	3.0k	1-246-484-00	30k	1-246-508-00	300k	1-246-532-00	3.0M	1-244-756-00
3.3	1-246-413-00	33	1-246-437-00	330	1-246-461-00	3.3k	1-246-485-00	33k	1-246-509-00	330k	1-246-533-00	3.3M	1-244-757-00
3.6	1-246-414-00	36	1-246-438-00	360	1-246-462-00	3.6k	1-246-486-00	36k	1-246-510-00	360k	1-246-534-00	3.6M	1-244-758-00
3.9	1-246-415-00	39	1-246-439-00	390	1-246-463-00	3.9k	1-246-487-00	39k	1-246-511-00	390k	1-246-535-00	3.9M	1-244-759-00
4.3	1-246-416-00	43	1-246-440-00	430	1-246-464-00	4.3k	1-246-488-00	43k	1-246-512-00	430k	1-246-536-00	4.3M	1-244-760-00
4.7	1-246-417-00	47	1-246-441-00	470	1-246-465-00	4.7k	1-246-489-00	47k	1-246-513-00	470k	1-246-537-00	4.7M	1-244-761-00
5.1	1-246-418-00	51	1-246-442-00	510	1-246-466-00	5.1k	1-246-490-00	51k	1-246-514-00	510k	1-246-538-00	5.1M	1-244-762-00
5.6	1-246-419-00	56	1-246-443-00	560	1-246-467-00	5.6k	1-246-491-00	56k	1-246-515-00	560k	1-246-539-00		
6.2	1-246-420-00	62	1-246-444-00	620	1-246-468-00	6.2k	1-246-492-00	62k	1-246-516-00	620k	1-246-540-00		
6.8	1-246-421-00	68	1-246-445-00	680	1-246-469-00	6.8k	1-246-493-00	68k	1-246-517-00	680k	1-246-541-00		
7.5	1-246-422-00	75	1-246-446-00	750	1-246-470-00	7.5k	1-246-494-00	75k	1-246-518-00	750k	1-246-542-00		
8.2	1-246-423-00	82	1-246-447-00	820	1-246-471-00	8.2k	1-246-495-00	82k	1-246-519-00	820k	1-246-543-00		
9.1	1-246-424-00	91	1-246-448-00	910	1-246-472-00	9.1k	1-246-496-00	91k	1-246-520-00	910k	1-246-544-00		

HARDWARE NOMENCLATURE

Screw:



Nut, Washer, Retaining ring:



Reference Designation	Shape	Description	Remarks
SCREWS			
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-fillister-head screw	
RF		fillister-head screw	
BV		braizer-head screw	

Reference Designation	Shape	Description	Remarks
SELF-TAPPING SCREWS			
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
SET SCREWS			
SC		set screw	
SC		hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
NUT			
N		nut	
WASHERS			
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex: LW3, internal
LW		external-tooth lock washer	ex: LW3, external
RETAINING RINGS			
E		retaining ring	
G		grip-type retaining ring	

Sony Corporation

TV and Consumer Video Group

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